

Contested Classrooms

Book critiques "neo-liberal" government policy.

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Fashion on campus:

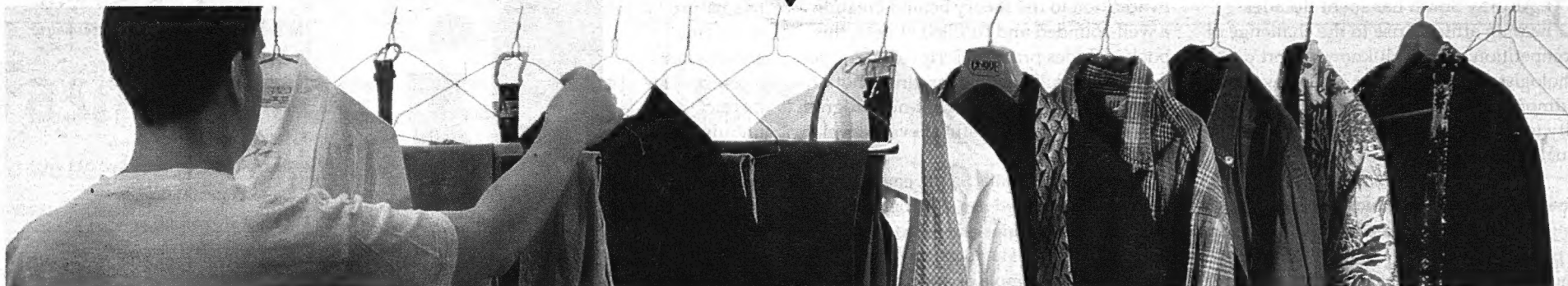
From drag to drab, anything goes. Do we need dress codes at the University of Alberta?

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Humanitarian engineer

Top student shares her volunteer experience working with Haiti's poor.

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UNIVERSITY OF ALBERTA

folio

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U of A researchers win boost for innovation

Arts faculty wins its first grant from federal science agency

By Geoff McMaster

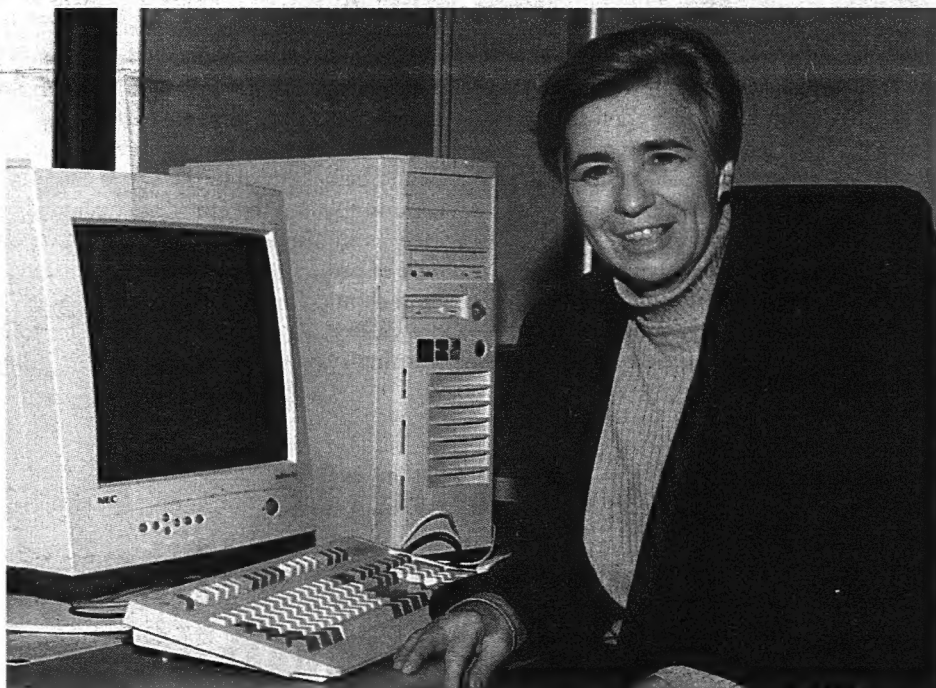
It's another first for the University of Alberta's Faculty of Arts. A humanities project is one of three at the U of A to receive funding totaling \$1.6 million from the Canada Foundation for Innovation (CFI) last week. The grant was part of \$131.8 million awarded to 33 Canadian universities and research institutions.

While the federal agency generally funds infrastructure projects in the sciences, the Faculty of Arts' Canadian Institute for Research Computing in Arts (CIRCA) landed about \$250,000 for humanities computing. Only a few humanities-based projects across the country have receiving CFI funding. This CFI grant is a first for the humanities at the U of A. In another "first," the arts faculty recently received funds from the provincial agency, Alberta Heritage Foundation for Medical Research, for a health-economics project.

"This is a very exciting opportunity for us," says the institute's director, Dr. Susan Hockey. "We can really be at the forefront of this kind of research."

Dean of Arts Dr. Patricia Clements says CIRCA is already Canada's leader in humanities computing, largely because of Hockey's reputation as a world expert in the field. The boost from CFI, she says, will serve to enhance the institute's international reputation.

CIRCA will use the funds to design computer software that makes more efficient use of the Internet for humanities research. The computing institute arose from specific needs of the English department's Orlando Project (the first scholarly history of women's writing across the centuries in the British Isles) to sift through and deliver large amounts of information



Dr. Susan Hockey: CIRCA will use the funds to design computer software that makes more efficient use of the Internet for humanities research.

with more sophisticated software than is now available. But Hockey says any software designed by CIRCA will be adaptable to more general uses. One collaborator from the University of Victoria, for example, may be able to use it to produce Internet additions of Shakespeare's plays.

"The current tools we have for working with humanities texts are really too simple for the kind of complex research things scholars want to do with them," says Hockey. The aim is to post the software on the Internet, "so it will make it much easier for people to work from their offices, from home, or to participate in distance-learning programs."

Sue Fisher, librarian for the Orlando Project, says "There are literally hundreds of projects across Europe and North America where people have been slaving away for the last five, 10 and 15 years that would be of interest to scholars, but there's really no common way of getting that information out to people. And because delivery software is usually owned by businesses, it's an expensive prospect.

"This is going to bring a lot of work already being done to the forefront. The technology is going towards Web-based delivery but smarter Web-based delivery."

The university will also provide some funding for CIRCA, says Associate Vice-

President (Research) Dr. Bill McBlain. The project requires about \$700,000 in total, mostly to hire expertise.

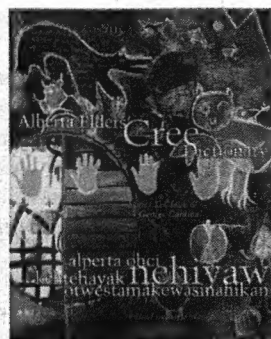
"This is as innovative as one can ask for," says McBlain, who had a role in convincing the CFI humanities projects such as this one could meet the agency's criteria. "Innovation is often interdisciplinary, with linkages among researchers in sometimes very disparate fields and this is a very good example of that."

On the science side, about \$1 million of the CFI grant will go towards renovations and infrastructure to "make full use of the biotechnology revolution," says project supervisor, Dr. Greg Taylor. "It's a major boost... We believe scientific advances in modern biological sciences are going to be the economic fuel of the next century."

The money will help pay for equipment in molecular biology and biotechnology costing between \$3.5 to \$5 million, including tools for DNA sequencing and genetic transformation and a digital fluorescent/microscopy unit. The upgraded facilities, says Taylor, will be unique to Western Canada.

The Faculty of Medicine and Dentistry received \$326,000 for a confocal two-photon microscope that provides high-resolution, three-dimensional images of cells. The microscope, costing up to \$700,000, will also allow scientists to observe the reactions of live cells for the first time.

"Laser light on the old microscope was so strong that, basically, you cooked the cell," says Associate Dean of Medicine Dr. Joel Weiner. "[With the new microscope] you can see the effect of adding a hormone, a drug or an ion, and see what's happening."



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Performing with emotional intelligence

By Geoff McMaster

Dr. Murray Smith has spent decades helping athletes rise to the challenge of competition. As a well-known sport psychologist with a client list including the Edmonton Oilers and several U of A varsity teams, he's an expert on the mental qualities required to win.

But the real work of this professor emeritus of physical education goes far beyond trophies and medals. Since devising a psychology-based swimming program for the Red Cross more than 20 years ago, Smith has been convinced sports should never be about "terrorizing kids" to perform to unrealistic expectations. Nor is it about coddling egos until they're so big they don't fit through the dressing room door. His guiding principle is a translation from Hindu: "There is no nobility in being better than some other person. True nobility lies in being better than your previous self."

His latest book, *Mental Skills for the Artistic Sports*, published by Johnson Gorman Publishers, is based on his wealth of experience developing "emotional intelligence" in young athletes. It's an approach valuing self-awareness, concentration and social skills, "particularly in the sense of being able to create alliances," he says. But

in addition to the theory behind creating a well-rounded and fulfilled athlete, this book includes practical scripts for sharpening mental skills and integrating emotional training into a physical work-out program. It is designed to be useful at every level of ability.

Above all, explains Smith, emotional intelligence is rooted in a solid network of personal relationships and a strong sense of personal identity. He points to Wayne Gretzky as a prime example of mental success.

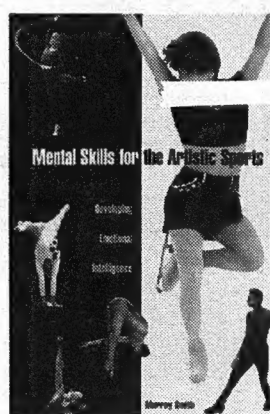
"It's the personal input that does it," says Smith. "His father was extremely supportive, and made him emotionally intelligent." Gretzky also had a close relationship with his mother and grandmother, "which is very unusual for a young man today," says Smith. Gretzky was able to listen to the "wisdom of his extended family."

When an athlete begins with a solid emotional foundation, winning is more likely to follow, says Smith. "Athletes with emotional intelligence perform more consistently, handle setbacks more rationally and prepare more realistically for success. And in national and international competitions, having that kind of edge can mean everything."

In the artistic sports, however, including skating, synchronized swimming, diving, gymnastics and modern rhythmic gymnastics, the need for emotional intelligence is particularly acute. Because of the subjective nature of judging, athletes can easily become distracted, or unduly obsessed with evaluation. Staying focused and centred is essential to a solid performance.

According to Smith, the mental process is similar to what a stage actor goes through to get in character. "For the great performers, whether musicians or actors, there's virtually no difference between rehearsal and performance." In some ways, he says, much of what we call emotional intelligence is also inspired by eastern spiritual principles. "The characteristics of eastern philosophy and religion are inward-looking, and we're outward [in the west] with a generally impoverished inner life."

Smith argues too many talented children grow up following a hollow program for success, one encouraged by parents, teachers and coaches. Because young people are often expected to respond to unrealistic goals or demands, their behavior becomes reactive and self-critical. They are too often set up for failure, says Smith, and



The seven basic mental skills, according to Dr. Murray Smith:

- 1 Relaxation
- 2 Mental rehearsal
- 3 Staying positive
- 4 Realistic goal setting
- 5 On-task focus of attention
- 6 Control of emotions
- 7 Becoming and staying energized

The five types of emotional intelligence:

- 1 Self-awareness
- 2 Self-regulation
- 3 Self-motivation
- 4 Empathy
- 5 Social skills

» quick » facts

don't learn how to motivate themselves. In our blind obsession with winning, we often forget that for the majority of people, sports are just one more form of personal growth.

"People like myself—teachers and coaches—need to be concerned with the overall development of these people, with sport as a vehicle," he says. His handbook is sure to prove useful for anyone interested in training beyond the physical. ■

CORRECTIONS

Nobel laureate John Hume did not deliver the second Visiting Lecture-ship in Human Rights. Rather, the proceeds from his talk March 14 support the Visiting Lectureship in Human Rights.

In Dr. Jerrold Kachur's opinion piece, the first sentence in the third last paragraph should have read: "Canada's universities are *not* alone in their commitment to the third mission."

folio

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OFFICE OF PUBLIC AFFAIRS,
400 ATHABASCA HALL
UNIVERSITY OF ALBERTA,
EDMONTON, ALBERTA T6G 2E8

LEE ELLIOTT: Acting Director, Office of
Public Affairs

LUCIANNA CICCOCIOPPO: Acting Managing Editor
GEOFF MCMASTER: Writer

CONTRIBUTORS:

Roger Armstrong, Phoebe Dey, Bryan Frantz,
Lise Gotell, Lewis Klar, Peter Lee, Randy
Pavelich, Shelley Ritzman

GRAPHIC DESIGN:

Susan Hunter, Marion McFall, Dennis Weber,
Jennifer Windsor

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Inquiries,

comments and letters should be directed to
Lucianna Ciccocioppo, acting managing editor,
492-0439

lucianna.ciccocioppo@ualberta.ca

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...it makes sense

Campus to get emergency phones

Four emergency phones connected directly to Campus Security will be set up across campus as part of a pilot project. Users will simply press a button to summon help. The locations have yet to be determined.

"The idea to install the phones was a result of a safety audit conducted by the Students' Union, Campus Security and the Safewalk Program," said the Students' Union's, Kathryn Andrusky.

The project is a partnership between the University of Alberta and Telus, with funding raised through a program called "Making Knowledge Accessible." Univer-

sity students, faculty, staff and alumni sign up for the program and Telus donates a percentage of their phone bill to the U of A for use on special projects, such as the emergency phones initiative. Approximately \$50,000 has been raised through this program since the fund was established.

"We were looking for a project that would be beneficial to the entire campus community and the emergency phone idea, as suggested by the students, is the type of project the partnership program fund should support," said Janine Andrews, executive director of the U of A's learning systems enterprises. ■

University of Alberta researchers get more than \$600,000 from AHFMR

By Lucianna Ciccocioppo

Seven University of Alberta researchers landed another AHFMR windfall, to the tune of more than \$600,000 for new projects investigating health services, mental and population health.

Examples of projects in Edmonton include exploring whether liver transplants affect child development, and investigating how raising a chronically ill child affects the health of family caregivers.

The Alberta Heritage Foundation for Medical Research (AHFMR) will fund 18 new research projects in total with \$1.47 million. In addition, researchers conducting ongoing projects will receive \$600,000. The awards are supported through the Health Research Fund program administered by AHFMR on behalf of Alberta Health.

The \$1.47 million for this year's Health Research Fund award is in addition to the \$36.9 million recently announced for programs for salary and equipment support for basic, biomedical and health scientists in Alberta. ■

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1999 Health Services and Mental Health Research and Innovation Funding

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- Dr. Carole Estabrooks, Faculty of Nursing
- Dr. Susan Gilmour, Faculty of Medicine and Dentistry
- Dr. Bryan Mitchell, Faculty of Medicine and Dentistry
- Dr. Christine Newburn-Cook, Faculty of Nursing
- Dr. Lynne Ray, Faculty of Nursing

For further information:

www.ahfmr.ab.ca/1999funding/99projects.html

» quick » facts

Web Watch

By Randy Pavelich

The Monster B-Movie Site

<http://www.bmonster.com>

Now that the Oscars are over, it's safe to admit we all have a few favorite movies we know are cheesy but irresistible. This site celebrates the B-movie in all its various genres and in delicious irony, does it in a very slick way. Interviews! Reviews! Archives! Earthshaking battles between good and evil! You will be glued to your seat in fascination.

Treasures of Europe

<http://www.ddb.de/gabriel/treasures/entree.html>

Even with our recent extended weekend there was not nearly enough time to fly to Europe and visit several dozen museums. Fortunately, this site can help you sample some great literary treasures from the comfort of your home or office. You can explore the site on your own or with help from the topic/subject "tours." One wishes they'd provide some larger high-resolution photographs, but until they let my grubby paws turn the pages, this is as close as I'll get.

Lake Champlain Maritime Museum

<http://www.lcmm.org/>

The term "marine archaeology" usually brings to mind Greek shipwrecks, amphora and gold coins. North America has its own history of shipwrecks of more recent historical note. The Lake Champlain Maritime Museum is devoted to the study and preservation of boats lost during the American War of Independence. One of the more impressive finds has been the discovery of a gunboat used by Benedict Arnold in battles against the British (who were based in territory that would eventually become Canada).

E-mail your suggestions and favorite sites to info@ualberta.ca. ■

Fashion from drag to drab

Do we need dress codes on campus?

By Roger Armstrong

Heads turn when Dr. Garrett Epp, associate professor in English, walks down HUB Mall to his class. "I wear a fairly extreme outfit with very high heels, a bright red crinoline and a little — and I mean little — snow-white top. Some of those ramps in HUB Mall are murder in high heels. I have great sympathy for some people who do this on a regular basis," says Epp.

Epp occasionally dresses in drag for his class on gender, sexuality and performance to emphasize how clothing choice affects people. Rather than simply talking about cross-dressing, he says students respond better when they see a familiar someone dressed differently. "Suddenly they are aware of how much difference clothing can make and they're aware of what they are wearing," says Epp.

Regardless of how much thought is put into a wardrobe, what one wears is a form of self-expression. It also affects how others see us. "There are people who would argue people dress in order to play certain roles and to be perceived to be competent in a particular role," says Dr. Bob Sinclair, associate professor in psychology. "Sometimes people may dress to play a certain role when they feel somewhat insecure about their position." Other people dress to get attention, says Sinclair, and unusually dressed people often get our attention. But this can be a false logic: because they have our attention, it is assumed they are important. "Research shows if you have one person dressed in a more salient manner than other people, people will focus on that person and believe they are the leader," says Sinclair.

As far as faculties go on campus, there is no formal dress code, but in many departments, there is an implied one. "We all know the code and that is why it doesn't need to be written down," says Dr. Sandra Niessen, associate professor in human

ecology. For Niessen, dress is a question of credibility. "Any woman professor on campus who dresses in a provocative way is not seen as professorial. I think professors are obliged to dress badly and if we are not obliged to dress badly, we are certainly not reviled for it." Men have a more relaxed dress code, she says. And for

women, clothing choice is a subtle and important game they play when they are working within the power structures.

Niessen says most people believe professors are supposed to have their minds on things of higher order. "We are not supposed to be focused on those fanciful, flighty, frivolous things like fashion. We are supposed to be focused on important issues," says Niessen.

She says she wears her most professional suit as a counter balance when she feels as though she will have the least credibility in a situation. Dr. Stephen Slemon, associate dean of research for arts, echoed

Niessen's comments. "Truth to tell, I have very little to say about fashion. Though a friend of mine (a professor) dresses up only when he has insufficiently prepared his classes."

When in the classroom, chemical and materials engineering Assistant Professor Janet Elliott says: "I don't think [clothing choice] has much of an impact on the students' respect for you because I think students are pretty smart, and they will respect people based on the quality of teaching — not based on what they wear." Still, Elliott tries to set an example for her students for when

they leave the university and enter the business world. Sinclair says all professions have their own uniform. That's why administrators tend to dress as administrators. On the other hand, the uniform for a faculty member is broadly defined. "Due to dress codes, generally speaking, the staff are probably better dressed than a lot of the faculty members," says Sinclair.

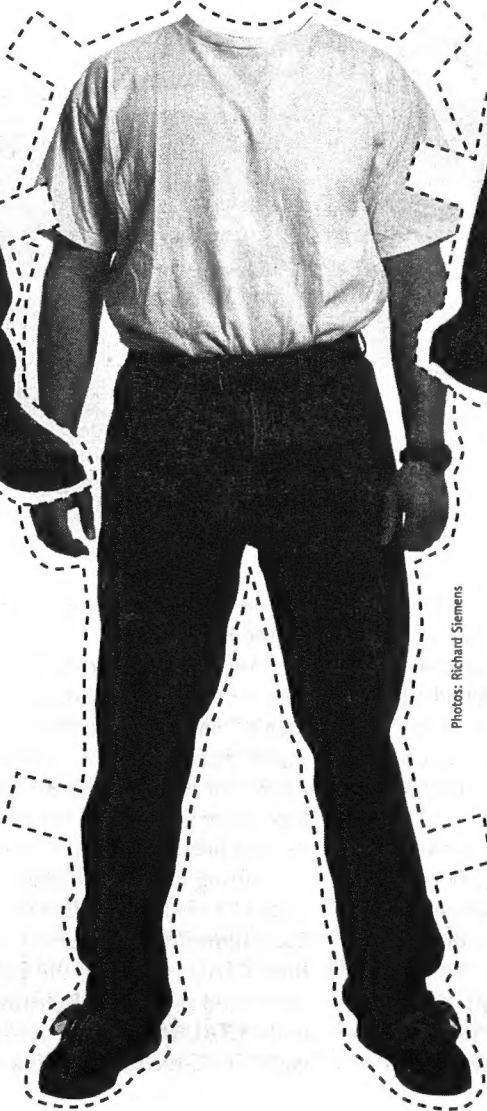
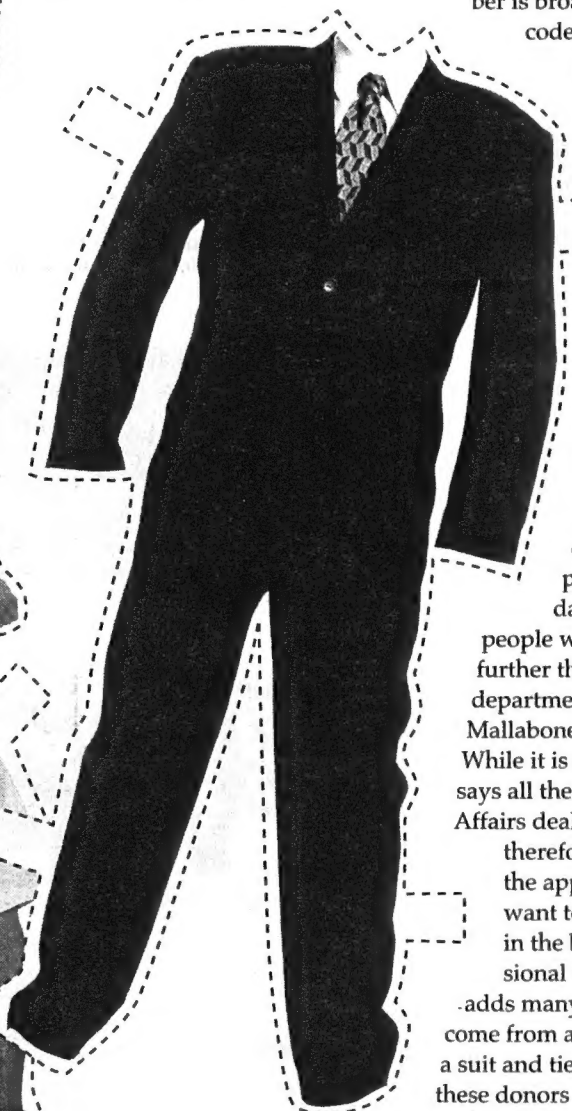
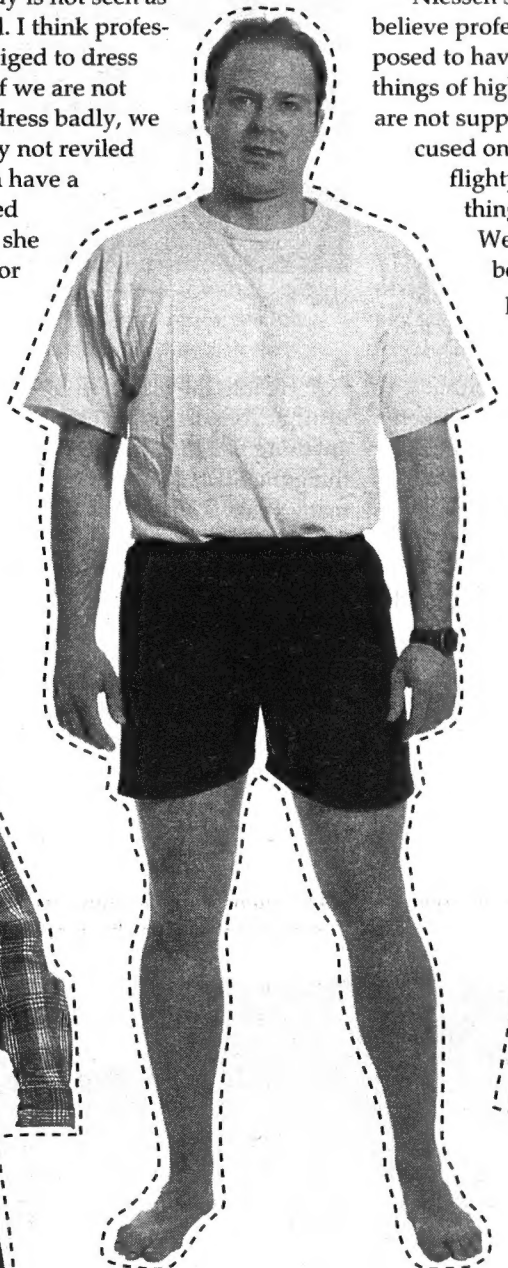
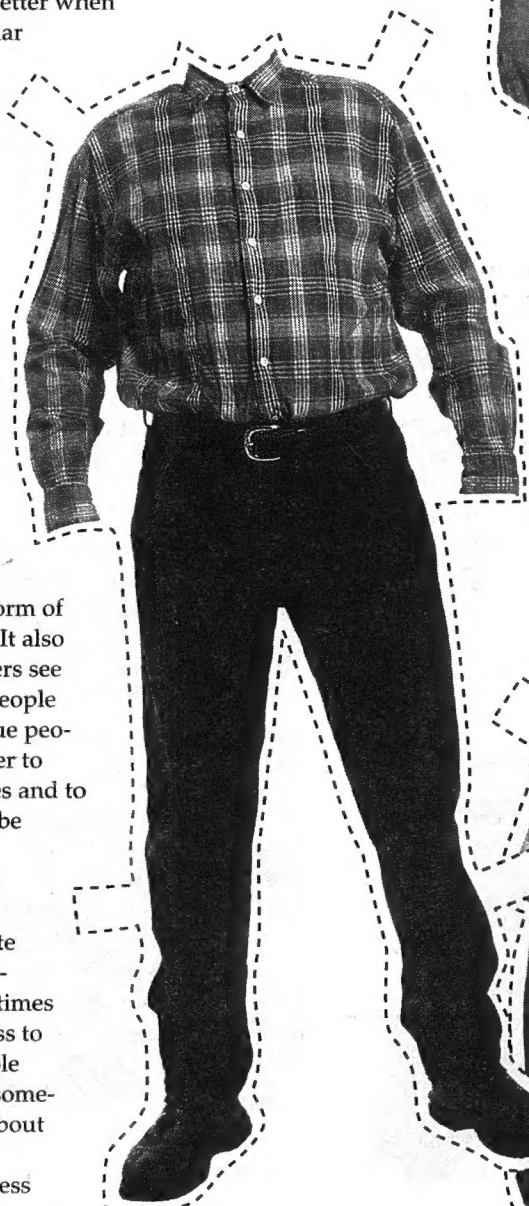
The Office of the Registrar and Student Awards and the Development office are two areas on campus with dress codes because staff deal with the public on a daily basis. The Development Office does not have a written policy but has recently instituted a dress code where jeans are inappropriate. "On the informal days, we were finding some people were pushing the envelope further than the functionality of the department would allow," says Guy Mallabone, director of development. While it is not a big issue, Mallabone says all the departments in External Affairs deal with the public daily and therefore it is important to wear the appropriate clothes. "We want to represent the university in the best light and most professional way possible," Mallabone adds. Many donors are alumni who come from an era where everyone wore a suit and tie and "dressing up" gives these donors confidence their donations are handled professionally.

Times have changed, however, and anything goes these days for students and professors alike. Still, clothing does not go unnoticed. "Sometimes people dress to play a role that accentuates the power difference between the students and the faculty," says Sinclair, "and that actually can be disadvantageous sometimes. I think a lot of the students don't like it when faculty look as though they are distancing themselves from students or trying to focus on this power difference."

Many argue academic freedom also means freedom of expression, which is why at any time, anywhere on the U of A campus, you'll find fashion from drag to drab. ■

I think professors are obliged to dress badly and if we are not obliged to dress badly, we are certainly not reviled for it.

— Dr. Sandra Niessen, human ecology



Photos: Richard Siemens

Finding the words

By Geoff McMaster

When Shelli Wright was in her last year of high school, most of her teachers had no idea she had a severe stutter. She describes herself then as "the perfect quiet student" who found it easier not to speak at all than struggle to get the words out.

"I couldn't order in restaurants and I couldn't use the telephone," she says. "From the age of 12 to 17 I hadn't called a friend on the phone." If she had to call home to her parents when she was out, it would take her at least three minutes to identify herself: "I couldn't even get out, 'Hi mom, hi dad.'"

In her own mind, she was handling her problem just fine, although she now admits it was mostly through avoidance and denial. Then she heard about the U of A-based Institute for Stuttering Treatment and Research (ISTAR), considered a world leader in understanding an affliction affecting between 0.5 and one per cent of the population. After an intense three-week treatment program, focused on articulation, breathing and speech rate, Wright broke through the wall of silence. Not only was she becoming fluent for the first time in her life, but Wright was also giving speeches to groups like the Alberta Elks

Association and the Optimist Club without skipping a beat and without feeling anxious.

Today her stutter is so well managed it's barely detectable, although it requires diligent practice and concentration to maintain control. Her dream is to help others overcome the same daunting obstacles she faced. Inspired by the leading-edge treatment at ISTAR, the 22-year-old hopes to begin a master's degree in speech pathology at the U of A next fall after having just completed her BA last December.

Behind Wright's success, and that of countless others who have received treatment at ISTAR, is the steadfast support of the Alberta Elks Association. It provided an initial \$55,000 for start-up and has so far donated more than \$670,800 to keep it running.

The Elks' initiative began 14 years ago, when current Elks Canada President Don Fowler happened to meet U of A speech pathologist Dr. Einer Boberg, himself a severe stutterer from birth, on a vacation in B.C. Boberg had been conducting summer clinics for stutterers since 1972 and convinced Fowler of the need for a full-fledged treatment centre.

It makes us feel so good

that it gets that speech

fluency going before the

children get into school

and start getting into

teasing — you know

how kids can be.

— Don Fowler,
Elks Canada president



Shelli Wright

"He told me his dream of starting an institute, because at that time there wasn't anything like that," says Fowler. "Something the Elks have been involved in for many years is speech disorders ... so stuttering was right up our alley. It was a fluke thing that we met, but it has worked out really well."

With the help of the Elks, the institute was born in 1986, using the highly success-

If she had to call home to her parents when

she was out, it would take her at least

three minutes to identify herself. "I couldn't

even get out, 'Hi mom, hi dad.'"

— Shelli Wright

ful *Comprehensive Stuttering Program* published by Boberg and colleague Deborah Kully (now the institute's executive director) the year before. ISTAR now works with about 100 stutterers of all ages from around the world and trains about 20 therapists. However the Elks' main area of interest is children, who are much more likely to gain lasting benefits from treatment. Children under 19 from families with limited income are eligible to receive financial assistance from the Elks Purple Cross Fund.

"I just burst with pride when I talk about ISTAR," says Fowler. "It makes us feel so good that it gets that speech fluency going before the children get into school and start getting into teasing — you know how kids can be." ■



U of A does it again

Men's hockey win ends a year of excellence for athletics

By Phoebe Dey

Just when U of A sports fans thought they were done cheering their teams to national glory, the men's hockey team swept into CIAU playoffs and brought home the gold. Winning its ninth Canadian hockey championship with a 6-2 victory over the number three-ranked University of Moncton in Saskatoon two weeks ago, the Golden Bears tied a U of A record by winning three national titles in one season.

"The university easily could have won five or six national championships this year," said Russ Hewson, a third-year forward named to the tournament all-star team. "We watched the women's volleyball team and the women's basketball team win and we didn't want to be left out of that."

The last time the school won three CIAU titles in one season was in 1980-81 when men's volleyball, football and men's cross country all claimed victory.

The fourth-ranked Bears, led by head coach Rob Daum, first logged a 5-2 win over number one-ranked University of Quebec at Trois Rivières. A 4-0 shutout against fifth-ranked York University earned the Bears a berth in the final game. In Sunday's final, which was televised live across the country on TSN, U of A took an early lead and never trailed for the rest of the game.

The team made six trips to nationals throughout the '90s but hasn't been able to clinch the win since the 1991-92 squad did it under the tutelage of Coach Billy Moores. This year the feeling in the dressing room was different, said Hewson.

"Our attitude was businesslike right from the start and this year guys seemed to realize we were national champions and individuals didn't matter," he said. "We were a team and we played as a team."

Although it was the team that won the gold medal, organizers recognized the efforts of several U of A players. Besides



Hewson, defenseman Mike Garrow was named a tournament all-star, as well as fifth-year forward and team captain, Mike Thompson, both of whom notched a goal each in the final game. In his final game with U of A, forward Cam Danyluk scored a hat-trick which earned him the title of University Cup MVP.

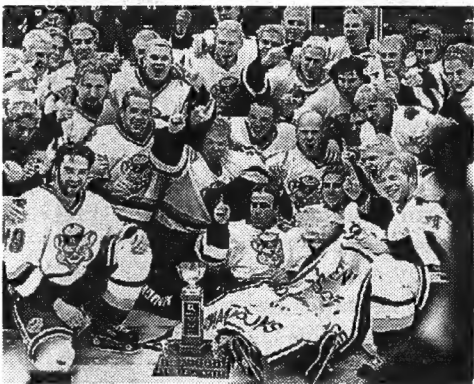
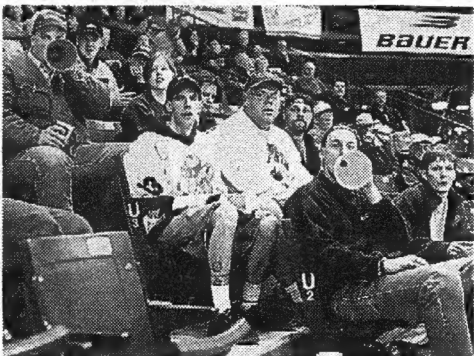
Fifth-year goaltender Dale Masson said he wouldn't accept just "being close" this year. "It's a really tough tournament because when you have one little breakdown, that's it," said Masson. "We had a psychologist come in and prepare us and I think that's what made the difference."

Watching the other teams excel this

season may have also put extra pressure on the Bears.

"We were concerned about the women's hockey program outperforming the men's," said Masson, of the Pandas' silver medal performance at nationals. "We were happy for them, but coming from such a legendary program at the U of A, we felt like we needed to win."

During the 1998-99 season U of A produced 52 conference all-stars, 21 CIAU All-Canadians, four tournament MVPs and three CIAU players-of-the-year. The school celebrated as 16 of its 18 teams participated in the CIAU tournament and brought home eight CIAU medals overall. ■



Golden Bears' hockey win ends a year of excellence for athletics.

Folio story call!

Do you know someone at the U of A who embodies the essence of community service and volunteerism, on or off campus? We'd like to find out who they are. Send us your suggestions and we'll add them to our story list. We can't promise to write about all of them. We'll pick the most interesting and compelling suggestions, so give us details!

E-mail your suggestions to:
lucianna.ciccocioppo@ualberta.ca.

Simplistic attack on feminism doesn't add up

By Dr. Lise Gotell, Women's Studies Program

I haven't read Danielle Crittenden's *What Our Mothers Didn't Tell Us: How Happiness Eludes the Modern Woman*. I can't even bring myself to buy this book that has recently captured national media attention, although I did find some extended excerpts on the Web. Crittenden's simplistic attack on feminism has received far too much attention. And it makes me angry the many well-written, well-researched feminist interrogations of work and family are not only misrepresented in this homage to the patriarchal nuclear family, but also routinely ignored in the popular press. Crittenden, it seems, is being consumed by those eager to scapegoat feminism for all of the anxieties and challenges women face at the end of the second millennium.

Crittenden's thesis is feminism has led today's twenty-something and thirty-something women down the lonely path of career, causing them to forego everything that promises true happiness. She writes: "... it's in the act of taking up the roles we've been taught to postpone — wife, husband, mother, father — that we build our identities, expand our lives, and achieve the fullness of character we desire." Those who do not follow her advice — marry early, have children, postpone your career — are doomed to a pathetic life, staring longingly at babies in grocery store line-ups and fruitlessly searching for a husband among "misfits and crazy

men." Mothers who work full-time must hand over their precious ones to "complete strangers" and run forever on the treadmill of job/childcare/domestic labor, neglecting not only their children's best interests but their own fulfillment.

Clearly no one has really listened to the multiple voices of feminism. In Crittenden's narrow portrait, contemporary feminism emerges as an odd cross between Friedan's *The Feminine Mystique* (1963) and a caricatured depiction of radical feminism. As for Friedan's message — escape the oppressive confines of the home, use your minds, enter the workforce — intelligent feminists have long criticized the manner in which this simplistic prescription devalued women's work as mothers and led naively into the toil of the double day. Feminist efforts to re-value motherhood, to distinguish mothering experiences diverse from the institutionalization of motherhood in its privatized, oppressive, heteropatriarchal guise are ignored by Crittenden. As for radical feminism, it provides the stylized image of the "feminist" this antifeminist book is so eager to discredit. Even though Crittenden views contemporary women as being virtually brainwashed by feminism, the only feminists she could find on her search of Ivy League campuses were green haired, black-attired, young women: "lesbians who had moved out of their college dormitories to form separatist communes" and "wom-

en's studies majors, who like the Marxists of the early 1930s, had undergone almost religious conversions and now spoke even about the weather in stark ideological terms."

I teach in the Women's Studies Program and I certainly appreciate all of the green-haired women in my classes whose intellectual engagement with feminism is so advanced beyond Crittenden's. Perhaps Crittenden's analysis would have been strengthened had she not made the decision to "skip university" and instead enrolled in women's studies. Had she done this, she would have been forced to abandon the homogenous picture of feminism she paints and grapple with a rich intellectual tradition marked by diversity of method, motivation and focus. Crittenden would also have been forced to realize the prescription for "happiness" she offers is one that is available only to the economically privileged. Women's labor force participation is now almost equivalent to men's and more than two thirds of women with children are employed in the paid labor force. Less than 20 per cent of families conform to the nuclear, heterosexual, male-income earner model Crittenden wants to resurrect. Given the decline of real incomes since the 1970s, most have to work more for less reward.

Which is not to say women do not derive satisfaction and fulfillment from their

paid work—they do. If women workers are overburdened by the double-day and feel unhappy, perhaps it has more to do with the fact feminism has too little influence over public opinion and policy, rather than too much. Feminist recommendations for good quality, publicly-funded childcare, and for a redistribution of domestic labor to men, have not been taken up by governments or by individual men. The problem of childcare and of women's unpaid work in the home has most recently been reconstructed as primarily an issue of taxation in federal political discourse. Studies indicate despite changes in women's labor force participation, cleaning, cooking and childcare remain their responsibility.

I am a single mother with a small child in daycare. I know the craziness of combining a demanding career with childrearing and feeling always as if both are receiving inadequate attention. I am stretched to the limit always and often look enviously at my child-free friends who get to work late or go out for a spur-of-the-moment drink. Books like Crittenden's fail to address the multiple and complex problems faced by working women. What would make me happier is recognition, with public and workplace policies, that childrearing is difficult, important work. Extending concrete measures, such as Quebec's \$5-a-day childcare program, would help ease the load. ■

Industry is wilderness, war is peace, brown is green

By Peter Lee, U of A sessional instructor and regional director of Alberta World Wildlife Fund Canada

"Like the Ministry of Truth in George Orwell's nightmare novel *Nineteen Eighty-Four*, whose lies included the famous phrase 'war is peace', Alberta Premier Ralph Klein has come up with his own bit of Newspeak: 'Industry is wilderness.'"

— The Ottawa Citizen, March 11, 1999

In Alberta, we're half-way in protecting and conserving our natural heritage through the establishment of parks and wilderness and nature reserves. But we still have a long way to go in securing a natural legacy for all Albertans in the new millennium: a network of parks and other protected areas permanently safeguarding the stunning diversity of our province's lands and waters.

The Alberta government's Special Places policy was an historic opportunity for Albertans to discuss wilderness protection as a public policy issue — in fact, the first and only opportunity in the history of the province. After four years, environmental groups, media and even industry now recognize Special Places as an abject failure. The government's own advisory committee has been dismissed and only five per cent of the government's own miserly performance targets have been met. The newly introduced protected-areas legislation will "allow nearly any kind of environmental destruction" in both present and future parks and wilderness areas. In many existing protected areas, such as Rumsey, Fort Assiniboine and Lakeland, industrialization continues.

About 76 per cent of all the protected lands and waters currently in Alberta were established before 1930, before Alberta became responsible for the stewardship of its natural resources. Since 1930, progress on establishing wilderness has moved at a snail's pace while the pace of industrialization is staggering. By the province's estimate, "about 90 per cent of Alberta's land base has been auctioned off to business interests," according to Dave Coutts, MLA for Livingstone-Macleod and chair of the Special Places Provincial Coordinating Committee.

In 1989, World Wildlife Fund Canada drew on recommendations from a landmark United Nations report, *Our Common Future*, in launching the Endangered Spaces Campaign with a mission statement called the Canadian Wilderness Charter. The charter calls on all Canadians to complete an ecologically representative protected-areas system by the year 2000.

More than 600,000 individual Canadians and 300 conservation and community organizations quickly responded by signing the charter. Since then, federal, territorial and provincial governments, including Alberta, as well as the forestry and mining sectors and other business interests, including the Canadian Chamber of Commerce, have also pledged their commitment to the year 2000 goal.

Alberta's commitment is not law and is unlikely to be tested in the courts. Instead, as public policy, it is simply a declaration

of intent — a promise we have made to ourselves.

Therefore, how we act is nothing more or less than a test of our character: Are we as good as our word?

Some promises are harder to evade than others because the consequences are so evident and lasting. This is especially true for promises we make regarding the home on which we all depend for survival as individuals, as a province and as a country. There will never be any more wild country than we now have. What we fail to protect will always remain lost. And we can see those losses steadily mounting as the millennial clock winds down.

Will Alberta keep its promise?

Alberta is endowed with some of the finest arrays of wild lands and wild creatures in the world. The vast northern forests, the rolling prairie and parklands, the foothills teeming with life and the soaring Rocky Mountains has provided Alberta with its identity for more than 100 years. In addition, Albertans rely on its wild lands for economic, physical and spiritual well-being.

Current efforts — through Special Places 2000 — have fallen short of the public's expectations to protect this wilderness. In 1994, a World Wildlife Fund Canada poll found 93 per cent of Albertans favor protecting the province's landscapes and wildlife by setting aside areas where no logging, mining or other industrial activity is permitted. It also found the overwhelming majority of

Albertans believe the province's performance in protecting its wilderness has an impact on Alberta's image in the international marketplace.

As a starting point, a Top 10 list of provincial sites that can be protected in the next short while has been prepared by environmental organizations. These include the magnificent Whaleback in southwestern Alberta, woodland caribou sites in northern Alberta, the world-class Bodo Grassland and the biodiversity-rich Castle in the Rocky Mountains. These total only three per cent of Alberta lands. The majority of these sites represent easy wins. In comparison to other areas of the province, few obstacles lie in the way of protecting many of these areas.

With the new millennium on our doorstep, we have a great opportunity to leave a legacy for future generations. There is a unique opportunity to give the gift of wilderness to future generations, both in Alberta and around the world.

However, achieving protection of wilderness landscapes is going to be an ongoing challenge. Premier Klein, in a March 23, 1999 letter to environmental organizations, summarily dismissed intervening to protect the Top 10 precious natural areas of Alberta. Meanwhile, industrial incursions into Alberta's remaining wild areas belches on.

Likely, most Albertans would agree with Alberta songster Ian Tyson when he said "If Alberta loses its wilderness, I don't think there is much to recommend it." ■

Contested Classrooms

Attack on "neo-liberal" government policies stirs controversy

By Geoff McMaster

In the heated debate concerning education in Alberta, the contributors to this collection refuse to sit anywhere near the fence. The title of just one of the 14 hard-hitting essays in *Contested Classrooms* will serve to convey the general tone —

"Deep and Brutal: Funding Cuts to Education in Alberta."

This critique of the Tory revolution's impact on education is forceful and uncompromising. Editors Drs. Trevor Harrison and Jerrold Kachur contend "deficit hysteria" and restructuring have brought about nothing less than an erosion of democratic values in this province. Harrison and Kachur also acknowledge the undermining of education is part of the larger trend towards globalization, which they define as "the worldwide extension of a specifically capitalist form of production, including a global division of labor and the promotion of rampant consumerism and competitive individualism." The battle between democracy and globalization, they argue, is being fought over education, and over the definition of citizenship we pass on to successive generations.

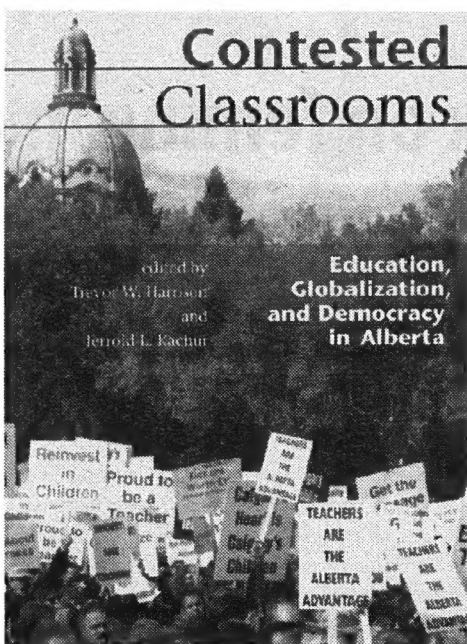
While public education is the primary concern in this critique, it is not the only target. In one chapter, Dr. Tom Pocklington, of the political science department, takes on the marketing of higher education, using the U of A and its

"research makes sense" campaign as a case in point. He argues the newly emerging "relationship between business and the university is already harming universities and threatens to do even more harm in the future."

Published by the U of A Press and the Parkland Institute, *Contested Classrooms* is an attempt to stimulate productive, if controversial, debate say its editors. The intention is "not only to increase public understanding of education and the deep social, political, and economic changes occurring in Alberta, but to goad readers into action and to shape the future direction of public education."

— Dr. Jerrold Kachur,
Faculty of Education

Some readers were goaded into action even before the book appeared in bookstores. The early release of one chapter by a University of Calgary



professor prompted an editorial by the *Edmonton Journal's* Liane Faulder. "There isn't enough money going into the system to ensure a quality education for Alberta kids," she wrote.

This was followed by a quick response to the *Journal* from Education Minister Gary Mar justifying why education spending decreased in the early '90s. "Of course it did," he retorted in his letter to the editor. "Albertans elected us to eliminate the deficit." He called the book "a desperate

and transparent attempt to 'prove' education is in crisis."

The book's editors argue the real crisis was an invention of Premier Klein's government. Between 1993-97, they say the "deficit crisis" was based on three spurious arguments: debts and deficits were spinning out of control, social expenditures were the primary cause of the crisis, and economic growth and tax increases couldn't solve the problem because everyone was already overtaxed. According to Kachur and Harrison, only the first argument had any basis in fact and was blown wildly out of proportion in order to promote an ideologically driven agenda.

"Under the guise of increasing public input, the government has in fact centralized authority and decreased equality of student opportunity while opening market niches for private entrepreneurs," they write in their introduction. The government also succeeded in equating public education with "a mere investment in future jobs" rather than recognizing it as "a foundation for maintaining an active and participatory democracy."

In the aftermath of restructuring, it's time for reflection, to think carefully about the role of education in a free, democratic society before we get caught up in another sea of change, Kachur says. "Already I get the sense the government is in the second cycle of restructuring education." ■

Celebrating the works of the elderly

By Geoff McMaster

At a National Poetry Foundation conference in Maine six years ago, Dr. Shyamal Bagchee experienced an epiphany of sorts.

While boarding an airport van hired to take him and other conference participants to their hotel, the English professor noticed a feeble elderly man struggling to maneuver a large briefcase. Bagchee helped the man with the case and quickly forgot the incident. Later that evening, major American poet David Ignatow stepped up to the podium to read from his considerable body of work. Before beginning, he reached into a briefcase full of manuscripts — the very same suitcase Bagchee had lifted onto the van earlier that day.

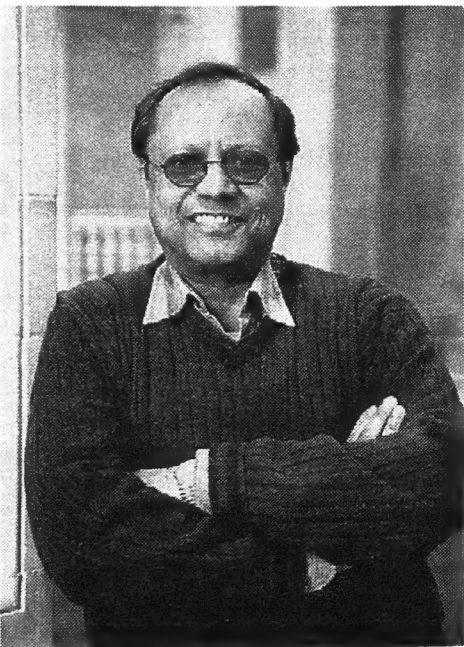
"I'd had in my hands something like 50 or 55 years of a man's work that so many had admired greatly," says Bagchee with visible awe. "That sense of not knowing what I had held, and whom I had helped, became a kind of pivotal moment."

The magic of unwittingly holding the lifetime literary "corpus" of a literary giant was one of several revelations inspiring Bagchee to examine the period in which aging poets rage against the dying of the light. What better occasion than the United Nations International Year of the Older Person, after all, to explore creativity in old age?

And so this spring he will teach a split graduate/undergraduate seminar to fill what he sees as a cultural void, since nowhere in the Canadian government's plans to celebrate the myriad ways in which the elderly participate in social life is there any mention of creative contribution.

"When you talk about their art, you're really talking about their comments on life. It's one thing for us to have a respectful attitude about them, but it's quite another to hear what they're saying as valid."

In some ways the course — which will examine the work of Canadian, British and American poets over the age of sixty — is



Dr. Shyamal Bagchee

designed to interrogate certain misconceptions about age and art, especially the one that dictates only the young have light worth shedding, and that they usually burn themselves out in fits of hard living and passion before settling into unproductive silence in their latter years (if they haven't committed suicide before then). Granted, literary history is full of such cases, says Bagchee, but the reverse is also true, and we often tend to forget that.

What is somewhat surprising, but which perhaps shouldn't be, admits Bagchee, is the elderly write about the same things young poets do: love, death and sex. The only difference is they generally do it with fewer words. "The wisdom comes in their spare style," says Bagchee, or what W.B. Yeats called "the enterprise of walking naked."

"The voices that speak these poems are always close to silence and seem to be quite aware of that fact. So, when older poets write about death they do so with a clear sense of it—only a fully lived life can

Tina Chang

I'd had in my hands something like 50 or 55

years of a man's work that so many had

admired greatly. That sense of not knowing

what I had held, and whom I had helped,

became a kind of pivotal moment.

— Dr. Shyamal Bagchee

earn us respite from the sentimentality and romantic folly attached to foolish youthful yearnings for death and forgetfulness."

Bagchee says Yeats is only one case in point. Considered a major avant-garde artist of the 20th century, the Irish poet was already 35 at the turn of the century. Indian poet Rabindranath Tagore was also barely hitting his stride when he won the Nobel Prize in 1913; most of his best work was yet to come.

But aside from his good friend, Canadian poet P.K. Page (b. 1916), and Indian painter M.F. Husain, Bagchee's greatest inspiration for his course has been the Indian poet Nissim Ezekiel (b. 1924). "Over the years I have had him as a wise and witty friend, and last year when I turned up in Bombay to do a series of recorded interviews with him — after mutually agreeing on dates — I found him hospitalized and unable to recall our appointment. Parkinson's disease has now been confirmed. In a way this course is a tribute to Nissim." ■

Board and trust members ratify contract

The Board of Governors and NASA trust members have recently ratified the newly negotiated terms and working conditions for trust employees, effective March 10.

NASA says job-security concerns raised by trust employees have been addressed while the conditions of employment have been kept as similar as possible to those of operating employees. The agreement applying to trust and operating staff will open for re-negotiation later this fall.

Trust employees are those hired for specific research projects. A trust account is established when a faculty member receives agency funding and hires staff.

For years, says Bruce Anderson, director of employee relations and employment services, the university considered trust employees as staff of the faculty member, not of the University of Alberta.

This changed with a Labour Board ruling of a test case in December, 1996, which found five laid-off trust employees were indeed employees of the University of Alberta.

"This meant the nearly 800 trust employees could also possibly be university employees," says Anderson. Previously, a set of guidelines was used for the terms and conditions of employment. NASA wanted an agreement so a Labour Board-sponsored mediator, the U of A and NASA sorted out who could be represented under the staff association.

In October, 1997, a memorandum of agreement was signed. NASA agreed it could represent support employees but not post-docs, research associates, research trust managers or students in training. The bulk of its representation includes operating support employees: technicians and secretarial staff.

Trust employees ratified a tentative agreement Feb. 19, 1999, and the Board of Governors approved it March 5. The trust agreement is online at www.ualberta.ca/~hrgrout/trust/index.html. ■

Jane Austen-philes to descend on Jasper

International conference to draw scholars and fans

By Lucianna Ciccocioppo

One half of the world cannot understand the pleasures of the other.
(Jane Austen, Emma, 9)

The food and music might not draw much attention, but the "costume cross-dressing" might. An international conference on Jane Austen May 14-16 in Jasper is all set to recreate the world of the famed British author, right down to the tights and ostrich feathers.

That's because the conference, called "The Talk in Jane Austen," will draw more than scholars and grad students. Loyal fans are set to attend too and many enjoy dressing up in period costume. Dubbed a "super-regional" conference in the Canadian Rockies, the event's sponsors include Austen chapters from Puget Sound, Vancouver, Saskatchewan, Manitoba and Edmonton, which hosted the Lake Louise conference six years ago.

"This is bridge-building for the U of A," says Dr. Bruce Stovel, an associate professor of English. Indeed, Stovel was one of the founders of the Edmonton chapter of the Jane Austen Society, along with Dr. Juliet McMaster, also an English professor. The two purposely decided to hold

its monthly meetings off campus in an effort to reach out to the community. Altogether, there are about 70 members across Alberta in the chapter.

"This conference builds on the success of the 1993 annual general meeting for the Jane Austen Society of North America held in Lake Louise," says McMaster.

The University of Alberta-hosted conference will explore Jane Austen's use of dialogue, conversation and other aspects of oral speech. Speakers include Jan Fergus of Lehigh University; the U of A's Isobel Grundy, Henry Marshall Tory professor of English; Juliet McMaster, general editor of *Juvenilia Press* (and

author of *Jane Austen on Love* and *Jane Austen the Novelist*) and Claire Tomalin, British author of the most recent biography on Austen, *Jane Austen: A life*. It's the first time Tomalin will speak in North America.

There are a variety of break-out sessions as well, with

titles such as: "'Hands off my man!' or 'Don't you wish you had one?'" and "The Language of Fashion in *Northanger Abbey*."

For further information and a registration form, contact Jenni Feldman at 492-5976 or orjennifer.feldman@ualberta.ca.

This conference builds on the success of the 1993 annual general meeting for the Jane Austen Society of North America held in Lake Louise.

— Dr. Juliet McMaster



Recreating the world of Jane Austen: monthly meetings at the downtown library include readings, tea and period dress.



Sir Walter Elliot (aka Dr. Juliet McMaster) asks Mrs. Clay to dance.

U of A Press up for awards

University of Alberta Press (UAP) received four nominations for their titles on shortlists for the Alberta Book Awards (ABA).

Two U of A Press titles are short-listed for Alberta Scholarly Title of the Year. The first is the remarkable *Alberta Elders' Cree Dictionary / alperla ohci kehtehayak nehiyaw twestamâkewasinahikan*. The dictionary has appeared regularly on local Top 10 book lists this spring.

The second is *The Ladies, the Gwich'in, and the Rat*, which was also named as a finalist in the international Banff Mountain Book Festival. In addition, the *Alberta Elders' Cree Dictionary* was short-listed for Educational Title of the Year.

The fourth shortlisting is for UAP's beautiful reprint of Robert Kroetsch's

What the Crow Said for Alberta Book Design of the Year. This follows UAP's recognition for excellent design from the international Association of American University Presses design competition.

Says Press designer Alan Brownoff: "Of 750 entries, only two Canadian presses — UAP and McGill-Queen's — had winning titles. It's a tough nut to crack."

In 1998, the University of Alberta Press won scholarly and trade titles of the year. In 1999, the Press is shortlisted for scholarly and educational title of the year.

Winners of the 1999 ABA will be announced April 24 at the gala hosted jointly by the Book Publishers' Association of Alberta and the Writers' Guild of Alberta. ■

Winners of the 1999 Alberta Book Awards will be announced April 24.

NSERC invests for a smarter Canada

More than 7,600 research projects across Canada will benefit from the Natural Sciences and Engineering Council's recent increase in the federal budget. The \$32.5 million in additional funds for 1999 include support for as many as eight new Networks of Centres of Excellence in partnership with industry.

Initiatives will also include awards to help universities encourage aboriginal undergraduate students to consider careers in science and engineering. In addition, NSERC will allocate \$4 million over the next four years to create a network of at least four industry chairs in design engineering. It's an effort to curtail the shortage of design engineers in Canada. The chairs will focus on developing environment-friendly products and processes in all sectors.

The new funding to NSERC includes:

- \$11.2 million for the research grants program, which supports basic re-

search and pays for the stipends and training of research students.

- \$3.1 million for 500 new undergraduate awards to allow students to gain research experience either in university or industry, and for a \$400 increase in the value of the awards for all holders.
- \$6 million for collaborative research opportunities, facilitating international and multi-disciplinary co-operation.
- \$4 million added to the major facilities access program helping researchers use the large facilities essential to many modern areas of research.
- \$600,000 for 20 additional Industrial Research Fellowships, to be offered to doctoral graduates working in research and development laboratories in Canadian companies.
- \$7.5 million a year for the next three years for health-related research projects and workshops in the natural sciences and engineering. ■

Poetry times two



My Sister's Hands

by Olga Costopoulos

Too large, they said, for a woman
so they made her do men's work.
The hands learned the hard balance
of downward force on the plough handles
against the forward urging of the mule
She learned the coordination of squeeze
and pull, her head buried, along with her dreams,
in the warm flank of the cow,

while the milk frothed in the bucket.
So skilled she could squirt the wild barn cats.
Learned how to reach into that other womb
to turn the calf about to breach
while singing a midwife's lullaby
to the terrified cow.

Hard lessons of maternity.

Now they fold into each other, blue-veined, pale,
in repose so still they startle.
The fingernails form natural Gothic arches,
with perfect oval moons rising at their bases.

She wished for music
bought herself a grand piano
out of money saved from the housekeeping
But it was too late: the rhythm of the plough
the milkpail and cow's tail conspired,
thrust their own awkward measures on her,
her fingers could never master
a lightsome prestissimo.
She walks undaunted, andante, across the fields
carrying with just enough grace the wild pinks
she's rescued from the combine's path.

By Geoff McMaster

When they were growing up, it would have been impossible to predict Bert Almon and Olga Costopoulos would one day fall in love. He was a city kid raised in El Paso, Tex., dreaming about how to get rich quick by executing the perfect crime. She spent her childhood on a farm in southern Alberta, living the simple life without so much as running water and electricity.

But across the thousands of miles and the cultural divide, they shared something in the wee hours of the night.

"While he was lying in his little bed in El Paso listening to Mariachi music live from neighbors' backyard parties, I was lying in my little cot listening to the radio," says Costopoulos, a sessional instructor in the English department. "My father was an insomniac and he'd be up at all hours of the night tuned into a station in Del Rio, Tex. So I too listened to Mariachi music."

Whether the strains of Mexico's folk music had a role in forming the poetic sensibilities of Almon and Costopoulos is anybody's guess. But in 1981 they met and recognized in each other a common spirit. Costopoulos was finishing her BA in classics at the time and Almon was teaching creative writing in the English department. They soon married and from all accounts the relationship has done wonders for the creative talents of both. Costopoulos is quick to clear up a popular misconception, however: "Let it be said that I was not his student."

These days both are riding a wave of success. Almon, a U of A professor and an established Canadian poet with eight collections under his belt, recently won *Prairie Fire's* creative non-fiction contest for a biographical essay on his high-school days in El Paso. The piece skillfully weaves personal anecdote and urban folklore. It includes the mysterious death of high-

school comrade, Bobby Fuller, of the west Texas rock group the Fuller Four, the one-hit wonder who rose to the top of the charts with *I Fought the Law, and the Law Won* in the early '60s. (In 1966 the police found Fuller dead and covered with gasoline next to a hose and an empty can. "The coroner improbably concluded he had killed himself by drinking a gallon of gasoline, something no one else has managed to do," writes Almon. "Try to imagine it.")

Costopoulos, who made an impressive debut into Edmonton's literary scene with a collection of poetry entitled *Muskox and Goat Songs* (1995), has just taken second prize in Britain's Petra Kenney Memorial Poetry Contest. It's a prestigious honor considering her poem was singled out from more than 1,000 British and Canadian entries. She'll receive 1,000

pounds sterling and a Royal Brierley Crystal vase at a champagne reception next month at the Canadian High Commission in London, England, and has the choice of either reading the poem herself or having it read by a top student from the London Academy of Dramatic Arts. Costopoulos says she'll probably opt for the latter.

"I think I would rather have someone else read it," she says. "I don't know how I would feel being the only Canadian there when the other two prize winners are British."

As it turns out, the couple had planned to be in England next month anyway. Costopoulos has received a grant from the Alberta Foundation for the Arts to study English gardens and battlegrounds for her next collection of poems.

"It has to do with marauders and farmers," she says. "I've always been fascinated with the polarity of the fixed person and the moving person. I suppose that arises out of having grown up on a farm and seeing people hunt and pillage on the land." She says she's already

written several poems in her new series with which she is "more or less satisfied," but she concedes you never really finish a poem—"you just abandon it."

While it's always gratifying to receive kudos for one's work, Costopoulos says she's somewhat baffled by the attention. Unlike most writers who are driven by the need for recognition, she says she has no interest in celebrity. Were it not for her husband's prompting—he writes cover letters for her and she signs them—much of her work would probably never have seen the light of day.

"If it were up to me, I wouldn't send anything out—ever," she confesses. "I don't understand writing to get famous. The idea of it kind of makes me blush ... I don't consider myself a poet or even a writer, just a person who gets off the odd good line on a good day. If it still lasts after I'm dead that might be a measure of something, but I'm not going to know about it anyway, so what's the point in worrying about it?" ■

Poetry couple and U of A English instructors, Olga Costopoulos and Bert Almon share a bond of creativity.



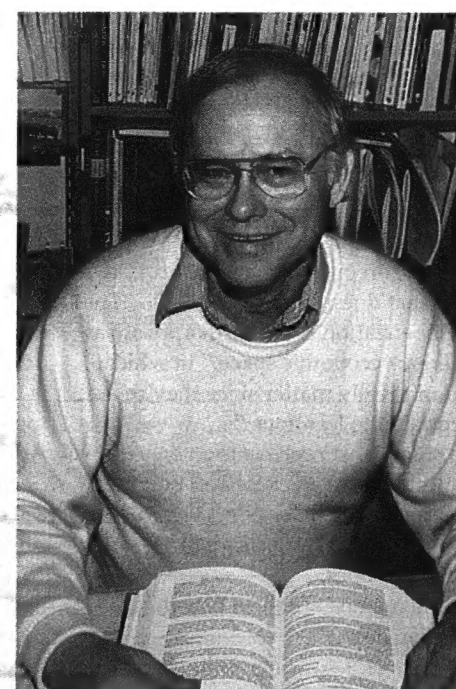
Photos: Geoff McMaster

Passage from

They Fought the Law (and the law won)

by Bert Almon:

When I was in high school, my friends and I dreamed of becoming master criminals. Not murderers or thieves, but perpetrators of perfect crimes that would leave us rich and beyond the law. We — four or five who talked together at lunch hour — were driven by a lust for cars rather than for blondes. We would imagine buying Thunderbirds or Cadillacs. This was a time when young men could argue for an hour about the merits of the American luxury cars: the Cadillac, the Chrysler Imperial, the Lincoln Continental. None of my circle had parents who could give us a car, and no one's salary clerking or soda jerking would buy anything more than junk, the kind of car that would throw a rod within a week of purchase. We were from working class families that aspired in typical American fashion to the middle class. We didn't think about class, just about money.



The Alberta Heritage Foundation for Medical Research

is delighted to announce the results of the
1999 Health Research Fund competition.

"Can fibromyalgia sufferers be helped by certain mineral supplements? Do social and economic factors influence access to heart procedures? What factors are linked to a relapse of clinical depression?"



Better health now and in the future demands answers to questions like these and many others. The Alberta Heritage Foundation for Medical Research, on behalf of Alberta Health, is helping to provide the ways to answer them through the Health Research Fund.*

Health Research Fund projects study aspects of health services, population health, mental health and health technology assessment. This year, more than \$1.47 million has been awarded to 18 research teams throughout the province conducting two-year projects. A further \$600,000 will be received by researchers conducting on-going projects approved in last year's competition.

Congratulations to:

Bhambhani, Yagesh,
Faculty of Rehabilitation
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and Dentistry, UA
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Health Systems Utilization
Analysis, Alberta Health

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*AHFMR administers the Health Research Fund through a contract with Alberta Health
**UA means University of Alberta • UC means University of Calgary
For more information about these awards, including how and when to apply, and for general and funding information on AHFMR, contact:
AHFMR, 3125 Manulife Place
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A full list of new and ongoing projects is available on our website: www.ahfmr.ab.ca

ALBERTA HERITAGE
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MEDICAL RESEARCH



An Eye for Detail

By Bryan Frantz

It's lunch break during Dr. Jack Mollard's applied remote sensing class with the Faculty of Extension. After answering a few questions about aerial photography, he quickly realizes the best explanation can be provided through a brief session of show and tell.

In this case, the 'show' includes pairs of aerial photographs and satellite images from around the world with something in common. The 'tell' is the story behind the photos and images.

Mollard flashes two identical photographs. Round holes dot the surface of the earth providing what appears to be a close up view of Swiss cheese. "This one is a satellite photo of a city in China, the other is an aerial photo of a community of gophers holed up in Saskatchewan," he explains. You quickly realize there is more to aerial photographs than meets the eye.

Mollard has spent most of his life proving this to people. In 1959, he taught his first course with the Faculty of Extension—10 years before the Apollo mission to the moon. Over the years, he has taught hundreds of engineers, geologists, foresters and other professionals about the important clues aerial photographs and satellite images provide when exploring, developing and managing Canada's natural resources and geological environment.

His career moved beyond Canada's borders to include projects spanning six continents. A few years ago, he even extended his expertise to the far reaches of space as an interpreter of the fingerprint-like images transmitted from the surface of Mars.

"Originally, I thought they were flowslides like those seen in Quebec's St. Lawrence area. This occurs when land suddenly liquefies and flows into an adjoining river valley," Mollard explains. "But I eventually surmised that the pattern resembled that created by the slow downslope creep of melting permafrost in lakebed terrain in the Peace River valley."

Mollard took his first course in air-photo interpretation as a master's degree student at Purdue University in 1945. En-



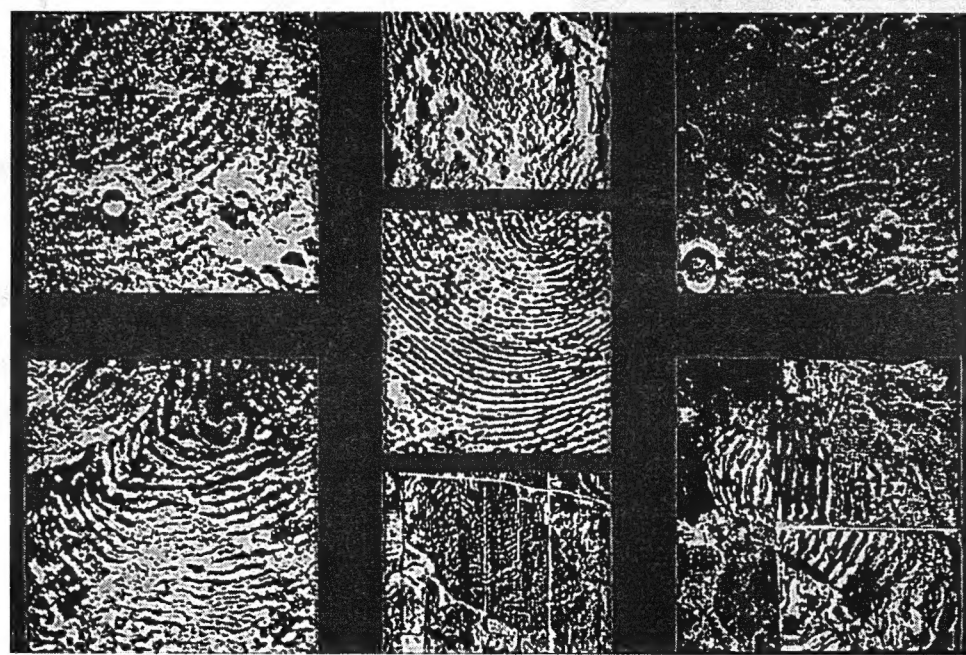
Dr. Jack Mollard

gineering geologist Dr. Donald Belcher taught the course and it opened the Saskatchewan student's eyes to the world of aerial photography. "I became fascinated by the different ways you could use air-photo interpretation and terrain evaluation," Mollard says.

In 1947, he returned to his hometown of Regina to work for the Prairie Farm Rehabilitation Administration (PFRA). His first assignment was to find a major dam site along the South Saskatchewan River which was prone to landslides. It was the first of more than 60 dam sites he would be involved in locating.

Three years later, Mollard started a PhD at Cornell University under Belcher. He assisted the professor in detecting World War II land mines in Western Europe, locating diamond pipes in South Africa and discovering oil-trapping salt domes along the coasts of Texas and Louisiana.

He began his own consulting company in 1956 and since then was involved in more than 5,000 projects. One of the more interesting ones was when he was asked to conduct



Fingerprint patterns on the surface of Mars resemble terrain patterns in Alberta's Peace River area and Ontario's Ottawa Valley.

air-photo terrain analysis to locate a trans-Alaska rail line for transporting oil from the Arctic Coast south to Valdez. The experience was the forerunner to 13 years and 30,000 km of air-photo study and terrain mapping for a proposed pipeline route that became the Alyeska (Trans Alaska) Pipeline.

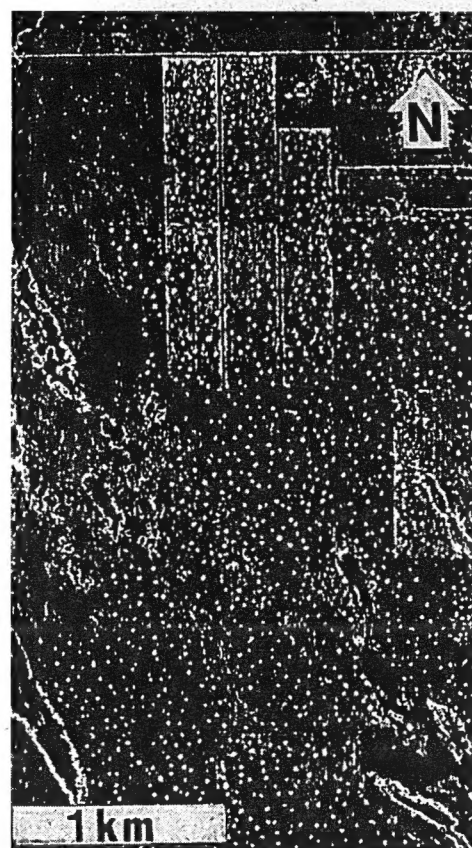
His most rewarding experience was his work on the Prairies discovering groundwater for rural communities. "We searched for, found, installed and tested over 100 municipal water wells," says Mollard. "Many people have told me about the joy of household running water and flush toilets after years of hauling water in barrels by horse in -40 degree temperatures."

Above all, Mollard still looks forward to teaching. "One of my cherished memories is the great many wonderful people I've met while teaching with extension," Mollard says. "My students provide firsthand knowledge on many of the landscapes we examine in class. I've found that I take away so much more from my courses than I put in."

The Faculty of Extension recently recognized Dr. Jack Mollard's 54-year contribution to teaching and science during a presentation. Last month, he was also awarded the Julian C. Smith Medal for Achievement in Developing Canada from the Engineering Institute of Canada.

This one is a satellite
photo of a city in China,
the other is an aerial
photo of a community
of gophers holed up in
Saskatchewan.

— Dr. Jack Mollard



A puzzling "fossil" gopher community in central Saskatchewan appears as white dots from five kilometres above the earth's surface.

The ecological impact of globalization

By Geoff McMaster

The image is etched in everyone's mind: Earth, photographed from outer space some 30 years ago. It was the first time we had seen our planet from the outside. And it marked an important moment in the history of human perception.

But since that famous picture entered our collective consciousness in the '60s, it has come to embody a contradiction at the

heart of globalization, says Dr. Wolfgang Sachs, project director at the Wuppertal Institute for Climate, Environment and Energy in Germany, and the 1998 chair of Greenpeace Germany.

Regarded as a leading expert on global development and environmental issues, Sachs was invited to speak as a distinguished visitor by the Environmental Research and Studies Centre and the Departments of Art and Design, and Political Science. His visit was meant to continue an examination of the social implications of ecological thought introduced by previous distinguished visitors, Arne Ness and David Suzuki.

"It's an emblem maybe more profound in significance than, once upon a time, the cross," he told a packed seminar room March 26. With one photograph, "the earth moved into the range of visible objects ... it became possible to say 'our planet,'" and one, moreover, with clearly defined limits.

At the same time, "you don't see nations, borders, cultures — you have a space that seems to be open, permeable, transitable," says Sachs. The image, often exploited by proponents of globalization, elides the fact the earth is "carved up into

nation states" belonging to specific peoples and cultures. It represents "the institution of a world that doesn't know borders ... The logic of globalization is the earth appears as a homogenous economic space," in which "places don't really matter since they're being degraded to locations."

"The blue planet represents an enormous optical illusion, because you don't see all that matters to us as people, and all that goes with it — hopes, loyalties and memories of specific peoples and cultures."

One advantage of globalization often promoted by its champions is more efficient use of resources, says Sachs. Any gains made by this greater efficiency, however, are erased by what he calls the "expansion effect" — the return to an outmoded 19th-century model of development preying on an "empty world where nature seemed to be abundant with few people around."

Automobile production is a prime example. While the world population has doubled since 1950, the car population has

increased 10-fold, most rapidly in East Asian countries.

"The cars major auto dealers put on the road are more efficient, there's no doubt about it," says Sachs. The problem is there are far too many of them, increasing overall consumption of fossil fuels. Add to this increase an estimated tripling of cargo traffic over the next 20 years and the environmental impact becomes crippling, he says.

The transformation of currencies into commodities in the global financial market can also have devastating consequences for the environment, says Sachs. In a world where "the economy of a country becomes a commodity," governments are forced to worry about not only the citizen's vote, but also investors "casting their electronic votes" through currency speculation.

"Developing countries starved for cash, what do they do? They sell the family silver, which is minerals and forests."

In the coming century, justice must be about changing attitudes of the rich, says Sachs. In a post-development world, "justice will be about how to take less, rather than how to give more." Otherwise we run the danger of creating "islands of wealth in an ocean of increasing misery."

Justice will be
about how to take
less, rather than
how to give more.

— Dr. Wolfgang Sachs



Dr. Wolfgang Sachs

In Memoriam

Aylmer Arthur Ryan (1912-1999)

By Geoff McMaster

Dr. Aylmer Ryan, the U of A's provost for 24 years, died March 20, aged 86. According to colleague Dr. Ray Grant of the English department, Ryan was "part of the very fabric of the University of Alberta" as the man in charge of student affairs and discipline from 1953 to 1977. "He was a good provost because he never forgot the joys and terrors of being a young student himself once," says Ryan's former English student, Bill Samis. "He wanted you to pronounce it *PRAW-vst* in the Scots manner and not *PRO-vost* or worse still *PRO-vo*."

Born in Calgary, Ryan received his BA from the U of A in 1939 and his MA in 1940, before going on to pursue a PhD from the University of California, Berkeley. Soon afterwards, however, he enlisted in the army, serving in Canada, England and Italy during the Second World War. In 1946 he joined the English department as a Middle English and Chaucer studies specialist. He was appointed warden of Assiniboia Hall in

1947, became provost in 1953 and was named executive assistant to the president in 1960. Because the president's office was small in those days, the assistant was required to fulfill a number of roles and chair several committees. "He was secretary of the Dean's Council ... had a fair eye on the management and growth of the bookstore into a learning resource (rather than just a depot with an insufficient inventory of prescribed texts), and seemed to have the informal job of being the chancellor's executive assistant as well," says Samis.

Ryan was also chair of the 1995 Learned Societies Conference, until then the largest conference ever held in Edmonton, and was "heavily involved in the development of Lister Hall Cafeteria, the planning of Michener Park and the restoration of Athabasca Hall," says Grant. It is a testament to the breadth of Ryan's responsibilities that he was replaced by three vice-presidents when he retired in 1977.



Dr. Aylmer Arthur Ryan, former provost.

In 1966, Ryan was elected president of the Canadian Student Affairs Association. According to former U of A President Walter Johns, Ryan had a profound under-

standing of student life and was a staunch defender of their interests.

"The man had incredible patience and looked for justification of opinion even when the basis was not apparent," Johns told *New Trail* in 1977. "He was ... a constantly moderating influence on both staff and students. There is no doubt the excellent relations which have existed between the students and staff over the years are largely due to the work and concern of Al Ryan."

According to Grant, Ryan is also remembered for his sense of humor and "formidable repertoire of jests." *New Trail* editor Jeanette Rothrock wrote Ryan had the "most scurrilous collection of ribald stories that ever curled the hair of an unsuspecting colleague and he keeps all his stories on the top of his head."

Ryan is survived by his children Cynthia, Philip and David, by grandchildren Paul, Brian and Terri and by nephew Larry Trowsdale. He was predeceased by his wife, Mona. ■

In Memoriam

Wilbur Bowker (1910-1999)

By Lewis Klar, dean, Faculty of Law

When Dean Wilbur Bowker passed away March 30, Canada lost a remarkable citizen. The Faculty of Law has educated leaders who served their community for the past half-century. For much of this period, it was Wilbur Bowker who was the legal profession's dean and friend.

Dean Bowker was born 89 years ago in Ponoka. He attended the University of Alberta, graduated with degrees in arts and law in 1932 and was admitted to the bar in 1933. In 1937 he met Marjorie Montgomery, a young student working at the law firm for the summer. They married Oct. 12, 1940, a few months after Marjorie was admitted to the bar. Marjorie Bowker later became a judge and a distinguished national figure.

In 1942, Dean Bowker enlisted as a private in the army, where he served three years, rising to the rank of captain. After the war, the president of the U of A asked him to assume temporary responsibility for the Faculty of Law. The enrolment in the faculty had fallen to only nine students. When he took over in 1945, the enrolment rose to 35. He stayed on at the faculty and became its dean, a position he would hold for 20 years. The modern law faculty was created, with Dean Bowker its source of strength and inspiration.



Wilbur Bowker, former dean of law and head of the Institute of Law Research and Reform, 1968-75.

During his tenure, Dean Bowker accomplished many things. He received his LL.M from the University of Minnesota in 1953, his thesis titled "Civil Liberties in Canada and the United States." He was one of two Canadian legal scholars named a Sterling fellow at Yale University in 1952. Meanwhile, the Bowkers' family was growing, with the addition of son Blair (1948), daughter Lorna (1950), and son Keith (1952).

Civil rights was a passionate interest for Dean Bowker. While recognizing freedom of speech could not be unrestricted, he argued there is greater danger — to ourselves and our traditions of free thought — in suppressing utterances, than from the utterances themselves. He also strongly supported anti-discrimination legislation. He argued although constitutional safeguards can act as a shield to bar discriminatory laws, "the victim of discrimination needs a sword as well. The sword is legislation that forbids discrimination." Dean Bowker wrote: "If this country really believes in the Universal Declaration of Human Rights and the principles of the Canadian Bill of Rights, it will, through its provincial and federal legislation, support the passage and enforcement of legislation to put all humans on the same basis in matters of employment, public accommodation and housing." It was largely as a result of Dean Bowker's urgings that the first anti-discrimination legislation was enacted in Alberta.

Under Dean Bowker's direction, the faculty prospered. Its library holdings expanded and enrolment grew. Dean Bowker wrote: "The most important function of a law school is to instill a sense of responsibility... a lawyer's ethics must be beyond reproach." He believed "one of

the roles of a law school is to help in law reform." After stepping down as dean in 1968, Dean Bowker became the director of the newly created Institute of Law Research and Reform, a position he held until 1975.

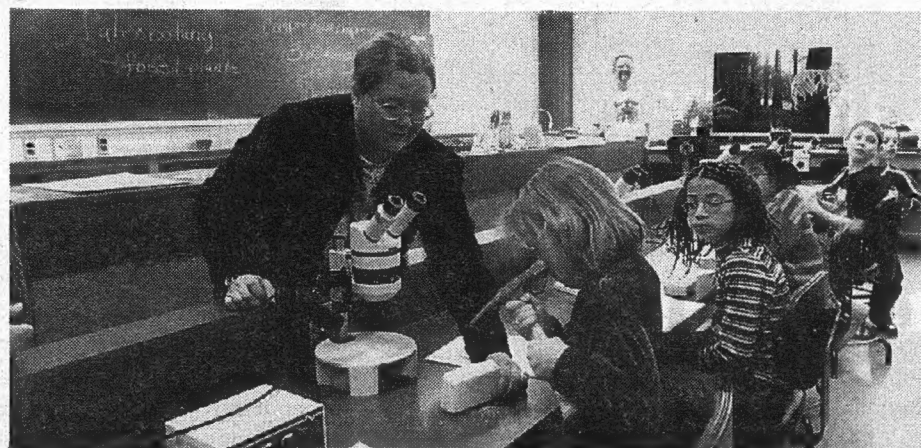
Dean Bowker received numerous honors during his lifetime. The headquarters of the attorney-general's department was named the Bowker Building. He received an honorary LL.D from the University of Alberta in 1972. Both he and Judge Bowker received the Order of Canada in 1990. The Canadian Bar Association, the Canadian Institute of Administration of Justice and the Law Society of Alberta all honored Dean Bowker.

But what meant most to him was family, the stimulation of his work and the opportunities he was given to help his community and his students. Dean Bowker was a witty, modest and caring man. He was interested in the welfare of all of those whom he met. Years after retirement, he would ask after the faculty members who occupied offices on the fourth floor.

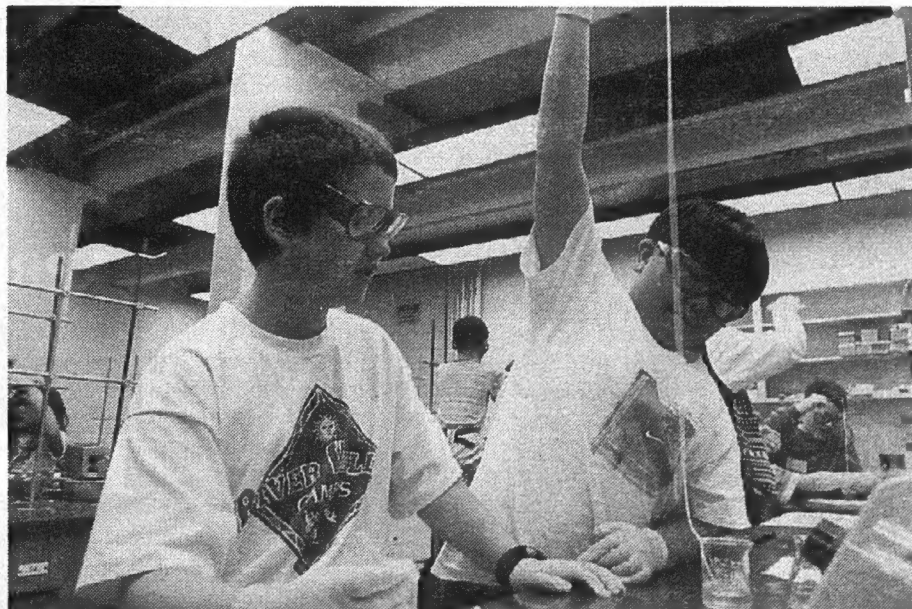
I had the privilege of knowing Dean Bowker for 26 years. He was a role model, a teacher and a friend. He will be missed dearly but we are thankful for his life and his legacy. ■

Scientists in the making

Grade 4 and 5 students from Windsor Park School took one step closer to science careers during Science Week at the U of A recently.



Trying to get to the fossil isn't all that easy, as students discovered in Dr. Ruth Stockey's demonstration.



Students learn how to make nylon in Dr. Helen Madill's demonstration.

Photos: Tina Chang

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events

EXHIBITIONS

FAB GALLERY

Until April 18

"Kara Nina Mähler"—this exhibition is the final visual presentation for the degree of Master of Fine Arts in Painting. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Monday, Saturday and statutory holidays, closed. 1-1 Fine Arts Building.

MCMULLEN GALLERY

Until April 25

"No quiet within: recent gifts to the University of Alberta Art and Artifact Collection"—an exhibition of works of art donated to the University of Alberta over the past five years. More than 40 works have

been selected from the 400 works of art donated during this time. Included are paintings, prints and print portfolios by notable Canadian artists Illingworth Kerr, Stanley Cosgrove and Liz Ingram, as well as internationally recognized artists Ryoji Ikeda, and Stanislaw Fijalkowski, to name just a few. The McMullen Gallery is operated by the Friends of the University of Alberta Hospital. Hours: Monday through Friday 10:00 am to 4:00 pm; Saturday and Sunday 1:00 - 4:00 pm; Monday, Tuesday, Wednesday 4:00 to 8:00 pm. All hours are subject to the availability of volunteers. For further information contact Museums and Collections Services at 492-5834. Mackenzie Health Sciences Centre.

MUSIC

DEPARTMENT OF MUSIC

April 9, 8 pm

The University of Alberta Concert Choir Concert. Debra Cairns, conductor. Admission: \$7/adult, \$5/student/senior. Convocation Hall.

April 11, 3 pm

The University of Alberta Concert Band Concert. Frank Dunnigan, director. Admission: \$7/adult, \$5/student/senior. Convocation Hall.

April 11, 8 pm

The University Symphony Orchestra Concert. Malcolm Forsyth, conductor. Solo violin: David

Colwell. Admission: \$7/adult, \$5/student/senior. Convocation Hall.

April 12, noon

Noon-Hour Organ Recital. Convocation Hall.

April 12, 8 pm

Student Composers' Concert featuring recent works by student composers at the UofA. Convocation Hall.

April 23, 8 pm

Music at Convocation Hall Series featuring faculty members Stéphane Lemelin, piano. Admission: \$10/adult, \$5/student/senior. Convocation Hall.

WORKSHOPS

ALBERTA CONSORTIUM FOR HEALTH PROMOTION RESEARCH AND EDUCATION

May 5, 1999

APHA Pre-conference Workshop. Conversations in Dissemination: A workshop on issues in the creation and application of knowledge. This workshop will focus on how researchers and practitioners can help one another to access, interpret and apply research findings in the Alberta context. Keynote Speaker: Penny Hawe, Dept of Public Health and Community Medicine, University of Sydney, New South Wales, Australia. Registration: Limited to 50 participants, \$60 (includes GST) — the registration fee covers the workshop, materials, breaks and lunch. For a registration form, contact the Alberta Centre for Well-Being at (780) 427-6949 or 1-800-661-4551, or e-mail: ivy.rosvold@ualberta.ca. Delta Edmonton South, 4404 Calgary Trail.

MEDICAL GENETICS

April 9 and 10

The Department of Medical Genetics is hosting a two day conference in April 1999 entitled "Genetics 2000: Gene Discovery and Beyond". This conference will highlight important areas of genetic research and celebrate the official opening of the Department of Medical Genetics at the U of A. The registration fee is \$100 per person (\$25 for students). The conference, with 16 guest speakers, will run two days: 8:45 am to 4 pm on Friday, April 9 in Lister Hall and 9 am to 3:30 pm on Saturday, April 10 at the Timms Centre for the Arts. The cost of the conference includes a banquet at 7 pm on Friday, April 9 at the Faculty Club. For further information and registration forms please contact Colleen at 4920874 or Colleen.Dawson@ualberta.ca.

STANDARD FIRST AID/HEARTSAVER COURSES

April and October

The Office of Environmental Health and Safety has arranged for Standard First Aid/Heartsaver

courses to be held on campus once again this year. Training is comprised of two full-day sessions (8 am to 4 p.m.) with morning, lunch and afternoon breaks. The cost is \$80 per person. The first course will be held in early April and the last at the end of October. Registration is limited due to classroom size. For further information and registration forms please call Cindy Ferris, 492-1810 or cindy.ferris@ualberta.ca.

THE LEARNING SYMPOSIUM

April 9 and 10

Organized by Museums Alberta (Alberta's Museums Association) in partnership with the U of A's Institute for Professional Development — this Symposium aims to summarize participants input toward a shared vision of how museums can contribute to the learning communities they serve, including that of their own staff and organizations. Registration deadline: March 19, 1999. For information please contact Tali Laurenson, Learning Coordinator at Museums Alberta, (780) 424-2657 ext. 226, fax (780) 425-1679, e-mail tali.laurenson@museumsalberta.ab.ca.

UTS SPRING 1999 SESSIONS

For the first time ever, University Teaching Services (UTS) is offering a one week spring workshop as part of the pedagogical requirement of the University Teaching (UT) Program. UTS has enlisted the help of Jim Parsons from Secondary Education, who will facilitate five sessions on various aspects of curriculum design. The workshop is offered on five consecutive days, from Monday, May 3 to Friday, May 7, 1999, 10 am to 12:30 pm in 219 CAB. Graduate students are requested to enroll for all five sessions in order to receive credit. The workshop is free of charge and open to all graduate students whether they are enrolled in the UT Program or not. Registration deadline: Friday, April 23, 1999. For more information, call Grace Wiebe, 492-3208; e-mail grace.wiebe@ualberta.ca; or visit our website www.ualberta.ca/~uts/

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- Parent participation is a key component to promote continuity of the program and student success.

OPEN HOUSE DATES

Kindergarten: Thursday, April 15, 7 p.m.
Grade 1-6: Thursday, April 22, 7 p.m.
Junior High Information Session: Allendale Library, Tuesday, April 13, 1 p.m.

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talks

Submit talks to Tamie Heisler-Schafer by 9 a.m. one week prior to publication. Fax 492-2997 or e-mail at public.affairs@ualberta.ca.

ARTS

Henry Kreisel Lectures. Derek Gregory, Professor of Geography, University of British Columbia, "Orientalism and the Culture of Travel." All lectures will take place in L-3 Humanities Centre.

April 14, 3 pm

"Dancing on the Pyramids: Projections, Productions, Performances."

April 15, 3:30 pm

"Re-Enchanting Cairo: The City of the Arabian Nights' and 'Paris-on-the-Nile'."

April 16, 3 pm

"Nile Voyages: Colonial Nostalgia and Cultures of Travel."

BIOLOGICAL SCIENCES

Ecology Seminar Series (part of the Biology 631 seminar series)

April 16, noon

Hannah Buckley, "Assembly rules in plant communities." G-116 Biological Sciences Centre.

Molecular Biology and Genetics Research Group (part of the Genetics 605 series)

April 16, 3:30 pm

Ken Irvine, "Making Developmental Boundaries: Modulation of Notch Signaling by the Fringe Gene." G-116 Biological Sciences Centre.

April 23, 3:30 pm

Eric Selker, "Control and Function of DNA Methylation." Sponsored by AHFMR. G-116 Biological Sciences Centre.

April 30, 3:30 pm

Ross MacIntyre, "A Genetic and Molecular Analysis of the Complex Dumpy Locus in *Drosophila* — An Old Gene with New Repeats." Sponsored by AHFMR. G-116 Biological Sciences Centre.

Physiology and Cell Developmental Biology Seminar Series (part of the Biology 642 series)

April 14, noon

John Aitchison, "Nuclear Transport: Karyopherins and Kissing Cousins." G-116 Biological Sciences Building.

BIOMEDICAL ENGINEERING

April 21, 5:30 pm

Buddy D Ratner, Director, University of Washington Engineered Biomaterials, "Engineering Precision for Biomaterials to Control Biological Processes." 231 Civil-Electrical Engineering Building.

CANADIAN FEDERATION OF UNIVERSITY WOMEN (EDMONTON)

April 19, 7:30 pm

Helen Hays, a palliative care specialist and recipient of the Order of Canada, "Palliative Care and Personal Directives." The meeting will be preceded by the annual "Resolutions Dinner", also held at the Faculty Club and beginning at 5 pm. All women University graduates are welcome to attend both events. Information: 469-8322. Faculty Club.

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

April 14, 3:30 pm

Dushan Bednarsky, "Grecophiles and Westernizers: Kyiv Scholars at the Heresy Trial of Silvestr Medvedev." 352 Athabasca Hall.

CENTRE FOR RESEARCH FOR TEACHER EDUCATION AND DEVELOPMENT

April 13, 12:30 pm

Claudette McLean, Edmonton Public Schools, Principal, Baturyn School, "Implementing a Character Education Program in Schools — Pondering the Process." 633 Education South.

CHEMISTRY

April 12, 11 am

1999 Bio-Méga/Boehringer Ingelheim Lecture. Paul A Bartlett, Department of Chemistry, University of California at Berkeley, "Using Organic Synthesis to Answer Bioorganic Questions." V-107 Physics Wing.

COMPUTING SCIENCE

April 12, 3:30 pm

Matt Ginsberg, Computational Intelligence Research Lab, University of Oregon, "Carbon vs. Silicon: Will Machines Ever Think Like We Do?" V-112 V-Wing.

HUMAN ECOLOGY RESEARCH COLLOQUIUMS

April 15, noon

Sandra Niessen, "A Global Perspective on Natural Dyes." 3-05 Human Ecology Building.

April 22, noon

Kathryn Chandler, "Human Ecology at Work: Practicum Experience." 3-05 Human Ecology Building.

JOHN DOSSETOR HEALTH ETHICS CENTRE

April 23, noon

Wendy Austin "International Perspectives on Bioethics." 227 Aberhart Centre Two.

PERINATAL RESEARCH CENTRE

April 20, noon

Richard Schulz, "TBA." 207 Heritage Medical Research Centre.

PHARMACOLOGY

April 12, 4 pm

Sandra T Davidge, "To Patch or Not to Patch: Estrogen, Ageing and Vascular Function." 9-68 Medical Sciences Building.

PHILOSOPHY

April 9, 3:30 pm

Stephen Menn, Department of Philosophy, McGill University, "Aristotle and the Sophists." 4-29 Humanities Centre.

PHYSICS

April 9, 3:15 pm

Melissa Franklin, Harvard University, Cambridge, MA, "Redoing Rutherford Without the Moustache." V-129 V-Wing.

PHYSIOLOGY

April 9, 3:30 pm

Richard L. Jones, "Quitting Smoking Using Nicotine Replacement Therapy." 207 Heritage Medical Research Centre.

April 23, 3:30 pm

Esmond J. Sanders, "Denucleation of Embryonic Lens Fibre Cells: An Apoptotic Event?" 207 Heritage Medical Research Centre.

POLITICAL SCIENCE

April 15, 3:30 pm

Fred Engelmann, "Austrian Political Parties: 1880 to 1999." 10-4 Tory Building.

PRAIRIE CENTRE FOR EXCELLENCE FOR RESEARCH ON IMMIGRATION AND INTEGRATION

April 12, noon

Jim Frideres, Sociology, University of Calgary, "The End of the Rainbow: Experiences, Achievements and Aspirations of Immigrant Youth." 5-20 Humanities Centre.

April 14, noon

Christine Baghdady, "Refugees in Egypt: Another Way of Looking at the World." Catholic Social Services, 10709 - 105 Street, Room 113.

PUBLIC HEALTH SCIENCES

April 14, noon

Douglas Wilson, "The Provincial Health Council of Alberta: A Three Year Perspective." Classroom D, 2F1.04 Mackenzie Health Sciences Centre.

people with Type 2 diabetes. In this project, pharmacists will meet regularly with people with Type 2 diabetes and provide diabetes education. Diabetes education will include providing information about diabetes, helping with medications, and referring to other health professionals such as physicians, dietitians, and metabolic clinics. It is hoped this study will find how pharmacists can help improve the lives of people with diabetes. For more information, call Lisa at 492-0092.

EFF-FSIDA (FUND FOR SUPPORT OF INTERNATIONAL DEVELOPMENT ACTIVITIES) APPLICATION DEADLINE

The deadline for receipt of applications to the EFF-FSIDA is April 15, 1999. The next competition dates are October 15, 1999 and January 15, 2000. This fund exists to enable U of A staff and graduate students (normally PhD candidates) to participate in the international transfer of knowledge and expertise through partnerships in developing countries. Application forms are available from University of Alberta International, 2-10 University Hall. Phone 492-2391.

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notices

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UPCOMING GFC MEETING: APRIL 12

The next General Faculties Council meeting is scheduled for Mon. April 12, 1999 at 2 p.m. in Council Chambers, University Hall. New business includes universal student ratings of instruction: revisions to Section 111.3 of the GFC Policy Manual; Faculty of Medicine and Dentistry: proposal for the administrative restructuring in the Department of Cell Biology and Anatomy; and the 1998 Annual Report of the Facilities Development Committee.

DIABETES EDUCATION RESEARCH

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laurels

**ENGINEERING PROF ELECTED IEEE
 FELLOW**

Dr. Witold Pedrycz, director of computer engineering in the Department of Electrical and Computer Engineering, was elected an Institute of Electrical and Electronics Engineers Fellow "for the development of methodology, algorithms, and applications of fuzzy and neurofuzzy modeling and fuzzy control."

IEEE Fellow is a prestigious honor, bestowed upon a very limited number of senior members to recognize their worldwide achievements in information and electrotechnology. In 1999, only 239 new fellows were elected from a global IEEE membership of more than 300,000.

**CANADIAN PROFESSOR OF THE
 YEAR LANDS INDUSTRY AWARD**

Mathematical sciences professor, Dr. Andy Liu, has received a Michael Smith Award for Science Promotion. Sponsored by Industry Canada, the award recognizes outstanding contributions by individuals who encourage public interest and abilities in science, technology, engineering and mathematics outside the formal elementary, secondary and postsecondary systems.

Liu was cited for several initiatives, the most significant being establishing a Saturday mathematics club for junior high-school students in 1981. Liu's mathematics promotion extends into classrooms outside the university as well. He is a regular

speaker at Edmonton area public schools and serves as adviser to several city associations and university groups. He is a tireless promoter of mathematics competitions and has been extensively involved at the national and international levels in various administrative capacities.

His teaching abilities have been recognized in numerous ways, most recently with the 1999 Professor of the Year Award by the Canadian Council for the Advancement of Education/Council for the Advancement and Support of Education.

**DEAN LANDS WEED SCIENCE
 SOCIETY AWARD**

Dr. Ian Morrison, dean of the Faculty of Agriculture, Forestry and Home Economics, was presented with a Weed Science Society of America Fellows Award by the Weed Science Society of America, in San Diego, Calif.

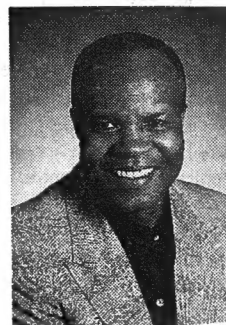
Morrison was recognized for his many contributions to WSSA, more specifically to the discipline of weed science, and to the advancement of agricultural science and education in general. His early research focused on developing herbicidal and cultural methods for problem weeds. For the past 10 years, his research has concentrated on herbicide resistant weeds.

Morrison was appointed dean in 1996 and has been an active and contributing member of several professional societies, including WSSA and the Canadian Society of Agronomy.

appointments

SENIOR ADVISER, COMPLAINT AND CONFLICT SERVICES

Ashley Daniel has been appointed senior adviser, complaint and conflict services. Working on contract for the past year, Daniel has been assisting individuals and administrators with the constructive resolution of workplace harassment and conflict concerns. The newly created senior adviser position is shared between the Office of Human Rights



Ashley Daniel, senior adviser, complaint and conflict services

and the Individual and Organizational Effectiveness Unit of Human Resources. Daniel's expertise in conflict management and human rights will enhance the ability to create and maintain a work and study environment which is inclusive and respectful.

A certified mediator who has worked extensively with the Edmonton Victim/Offender Mediation Society, Daniel is also an alumnus of U of A, with a BA in political science and a BLS (library science). The confidential complaint and conflict services offered by the senior adviser are available to all members of the university community. Daniel can be contacted at 492-1474. ■

positions

The University of Alberta is committed to the principle of equity in employment. As an employer we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disabilities, and members of visible minorities. In accordance with Canadian Immigration requirements, preference will be given to Canadian citizens and permanent residents.

**NEW MEDIA/FINE ARTS PROGRAM
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The Faculty of Extension is seeking a skilled and highly motivated program development specialist for its New Media/Fine Arts Program. This is a 10-month contract position with the possibility of renewal.

The position will contribute to an on-going process designed to articulate a new vision of career and professional development programs in Fine Arts for the digital age. Specific responsibilities will include researching visual and communications design training and educational needs in the new media industry, curriculum specification, assisting with the development of proposals for university certificate and diploma credentials, identification of teaching and learning resources, preparation of grant proposals, and building an extensive network of contacts in art and design and the new media industry.

The successful applicant will have a bachelor's degree (graduate degree preferred) in art and design or multimedia design. Skills and experience in visual design, networked communications technology

(computers, web pages, e-mail, computer conferencing, audio-video conferencing, Internet software tools) and the ability to communicate clearly and concisely verbally and in writing are essential. Knowledge and experience with survey research methods and curriculum specification and design are highly desirable.

Salary: \$3500/month

Closing date for letter of application, resume, and the names of at least three references: April 16, 1999.

For more information contact:

Dr. Dennis Foth, Professor and Director
 Applied Arts
 Faculty of Extension
 4-20 University Extension Centre
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ogy, and functional neuro-imaging. We investigate memory and attention processes in young and elderly adults using behavioral, electrophysiological and brain imaging techniques. Duties include research coordination, developing/administering cognitive tasks, recording EEG, organizing/analyzing data and preparing results for presentation/publication. Computer expertise (especially C/Unix/Matlab) recommended. Long-term commitment. Send resume to:

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The Students' Union congratulates the recipients of the Students' Union Award for Leadership in Undergraduate Teaching

The **SALUTE** award was developed by Students' Council to promote and encourage excellence in teaching by recognizing faculty members who demonstrate outstanding contributions in their roles as undergraduate instructors at the University of Alberta.

The 1998-99 recipients are:

Dr Gwyn Hughes

Dr. Gwyn Hughes obtained his Ph.D. at the University of Wales and came to the University of Alberta in 1965. He developed courses in Environmental Physics and the Physics of Energy in the 1970's and was instrumental in establishing, in 1994, an interdisciplinary B.Sc. program in Environmental Physical Sciences, of which he is the Coordinator. His love of teaching and the enthusiasm with which he treats the subject matter are reflected in the close rapport he has enjoyed with his students.

William T. Smale

William T. Smale received his H.B.P.E., B.Ed., B.Sc., and M.Ed. degrees, all from Lakehead University. He also received certificates in Special Education from Queen's University and the Principal Qualification Program from OISE/University of Toronto. He is currently teaching under grad courses and is a Ph. D. candidate in the Department of Educational Policy Studies at the University of Alberta. Before coming to this university, William was a high school teacher and football coaching in Ontario. Besides teaching in the regular program, he has extensive experience working with at-risk youths and young offenders. His dissertation examines how the education system may be improved to prevent these types of youths from dropping out of school. William also received a 1998-99 university of Alberta Graduate Student Teaching Award and the 1998-99 Brick Robb Memorial Scholarship for Educational Research (Ontario Secondary School Teachers' Federation).

Humanitarian engineer

By Lucianna Ciccocioppo

*Come to the edge, He said.
They said, We are afraid.
Come to the edge, He said.
They came.
He pushed them...and they flew.
—Guillaume Appollinaire*

Stepping off the plane in Port-au-Prince, Haiti last July, Michelle St. Cyr looked around the old, decrepit airport, took a deep breath and thought: "Now what?"

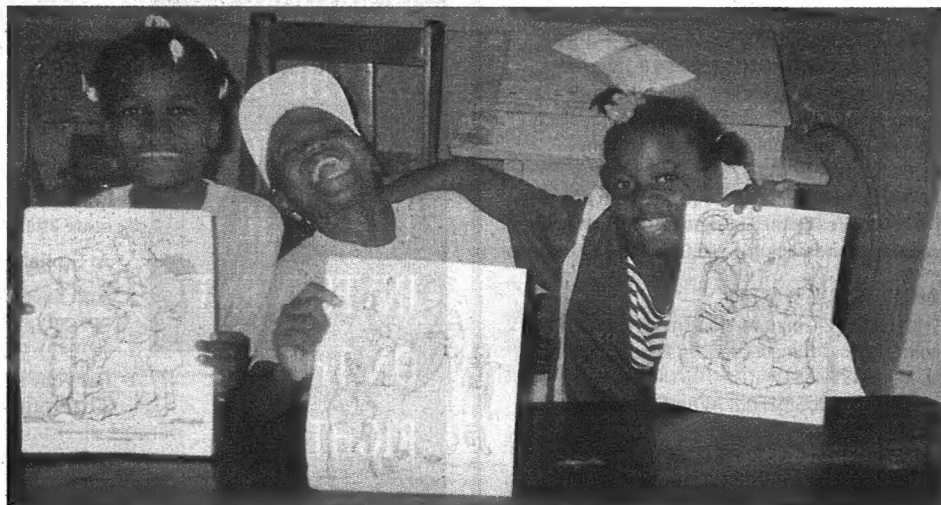
Pushing through the hot throngs of people, trying to stay calm amid the machine guns, St. Cyr and her friend, Youki Cropas-Marchildon, were looking for the two nuns who were to greet them.

"We had sent photos of ourselves but it didn't help. They arrived in Haiti two weeks after we landed," said St. Cyr with a laugh. Given the fact they were the only two white girls off the plane, it wasn't difficult for the nuns to spot them.

St. Cyr had no idea what she would be doing in the impoverished country. All she knew was she wanted to help the children, to alleviate in some small way the poverty that took a hold of them at birth and never, ever let them go.

The bilingual, first-year U of A engineering student was one of four North Americans who volunteered at a three-week summer camp for 50 children. She had been to Haiti the year before, on a 10-day mission with her high school, Collège Mathieu, a private, French Catholic boarding school in southern Saskatchewan. The trip increased her awareness of Third World issues. It also increased her determination to return to Haiti and do something about poverty.

Fund-raising efforts for the trip included a letter-writing campaign for support to every person and organization she



Day camp mornings began with art activities.

knew. Her mother was her biggest supporter. One stop at a Catholic funeral home in Calgary, where the St. Cyr family is based, resulted in a large donation.

"The man pulled out his cheque book and gave us \$400," said St. Cyr.

When the tally reached \$4,000, the two girls were ready to go. They packed up five 32-kg suitcases with school supplies, such as paper, pencils, crayons, glue and balls—soccer and basket.

Once in Port-au-Prince, St. Cyr and Cropas-Marchildon embarked on the journey to Gros Morne, the site of the day camp. The 150-km trip took more than five hours—the so-called "highways" were dirt and gravel roads, many of them flooded.

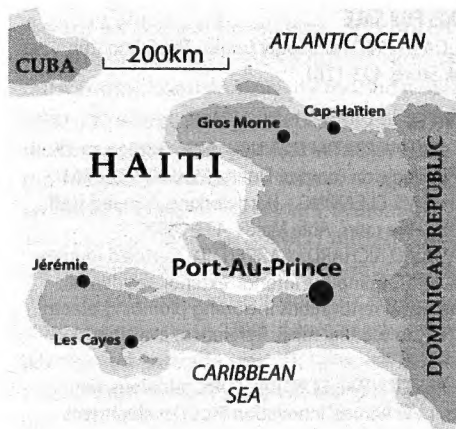
But no one was more grateful for their arrival than the children, aged seven to 12, who were desperate for something to do.

"When we brought out the supplies in the open, the kids went nuts. They grabbed whatever they could and they wouldn't share," said St. Cyr. "When word got out we had balls, well, it was as if we had gold!" she added. Children and adults flocked to their area to kick real balls around, not the rotting-fruit-in-a-sock to which they were accustomed.

The days started early with arts and crafts activities to get a head start before the unbearable heat set in. But she got used to it after a week. She also had to get used to living without electricity during



Everyone flocked to the camp to play with balls.



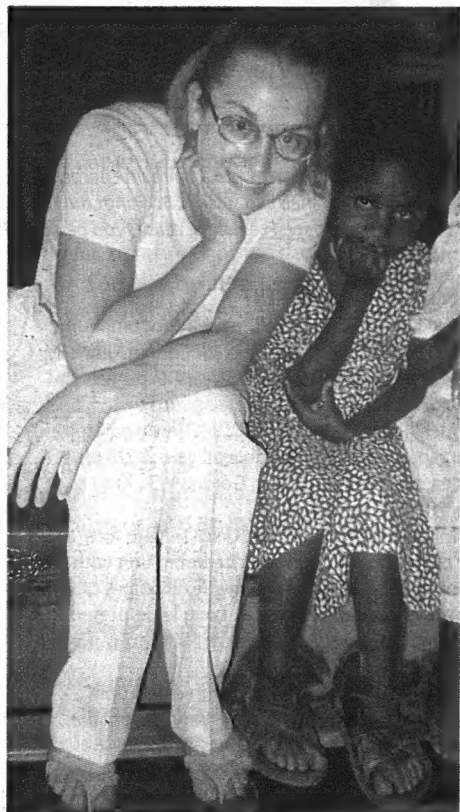
the day and showering only when it rained, after water was collected. Not even the ants in her bed at night bothered her—but the 10-cm cockroach did.

"That was the most traumatizing event," said St. Cyr, who now laughs at the incident. She couldn't kill it, fearing the "crunch" would upset her further. The hardy insect survived a couple of days in her wastebasket until a friend did the dirty deed.

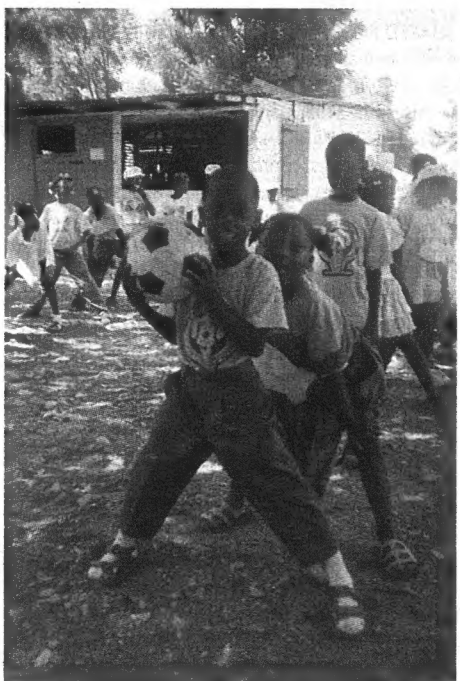
Despite these conditions, St. Cyr said it was tough to leave the children and her friends. She still keeps in touch with some Haitians. And she plans to go back—as a professional engineer. She'd like to work on road construction and perhaps shave a couple of hours off those 150-km trips.

"The self-satisfaction of helping the Haitians means so much more to me than any job in Canada," she explained. "There's so much work to do, so much need.

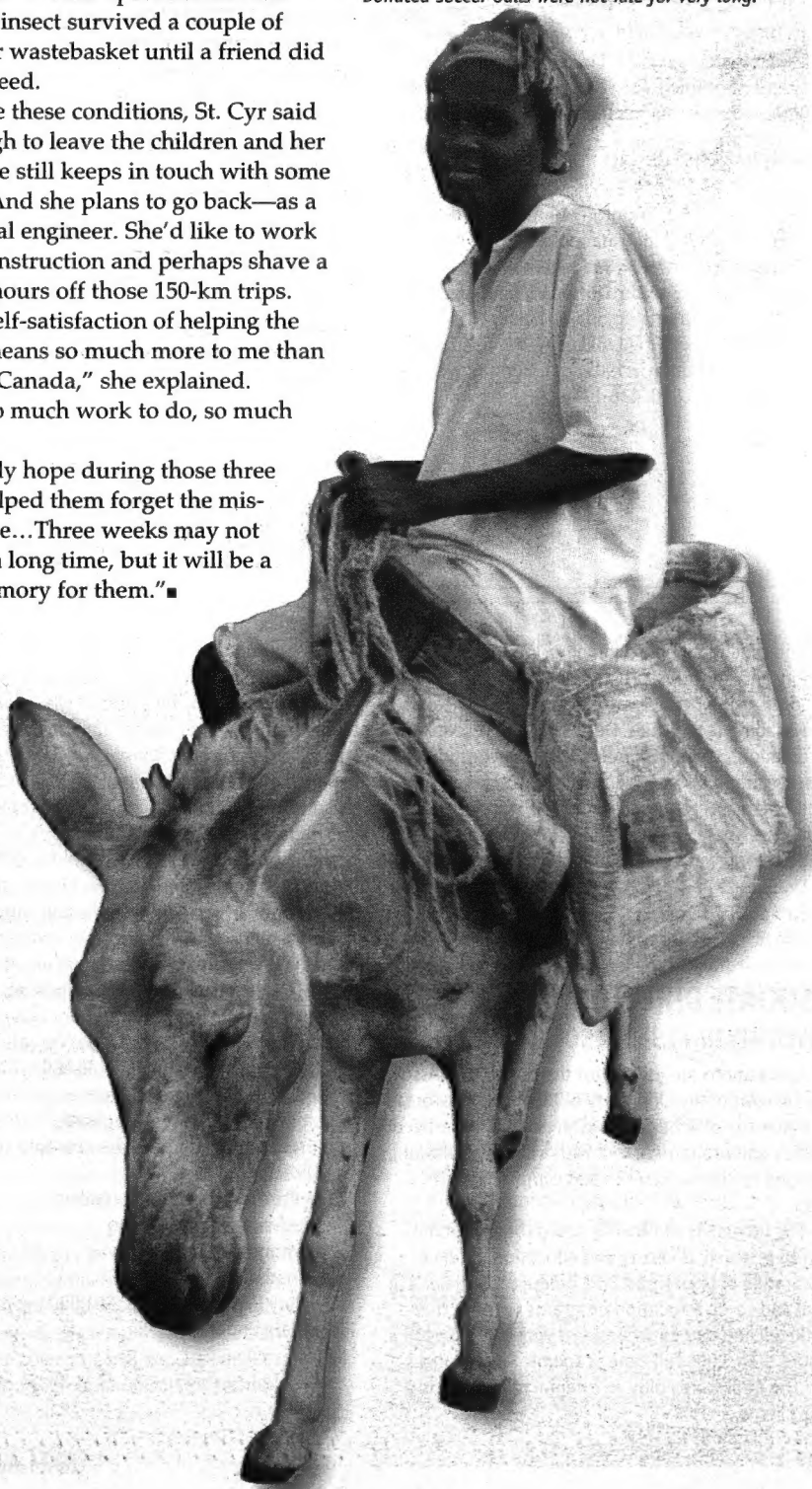
"I really hope during those three weeks I helped them forget the misery at home... Three weeks may not seem like a long time, but it will be a lasting memory for them." ■



Michelle St. Cyr with a little friend.



Donated soccer balls were not idle for very long.



Photos: Michelle St. Cyr

- A recipient of the University of Alberta's Leadership Entrance Scholarship, Michelle St. Cyr was also awarded a \$5,000 Canadian Engineering Memorial Foundation Scholarship recently.
- She's the first U of A undergraduate student to receive the award, one of five across Canada. The award is based on leadership, community involvement and extracurricular activities, in addition to high academic achievement.
- St. Cyr said she chose to study at the U of A because of the "reputation of the Faculty of Engineering and the ability to take courses in French at Faculté Saint-Jean."
- She is thrilled with the award, founded in memory of the 14 women killed at Montreal's École Polytechnique in 1989. And while she hopes to inspire other women to pursue engineering, it's clear this future mechanical engineer will always be a "humanitarian" one as well.

»» quick »» facts

folio **back**
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